RECENT SCIENTIFIC AND TECHNICAL BOOKS

Volumes marked with an asterisk (*) have been received at "NATURE" Office

Mathematics : Mechanics : Physics

ABBOTT, P. Teach Yourself Trigonometry. Sixth edition. Cr. 8vo. Pp. 208. (London : English Universities Press, Ltd., 1941.) 2*s*. 6*d*. net.

BAGNOLD, R. A. The Physics of Blown Sand and Desert Dunes. Demy 8vo. Pp. xx +266 +16 plates. (London : Methuen and Co., Ltd., 1941.) 24*s*. net.*

CROOK, W. E. Elementary Mathematics for Wireless Operators. Demy 8vo. Pp. 63. (London : Sir Isaac Pitman and Sons, Ltd., 1941.) 3*s*. 6*d*. net.

Engineering

CARR, T. H. Electric Power Stations. Vol. 2. Demy 8vo. Pp. xv +440. (London : Chapman and Hall, Ltd., 1941.) 32*s*. net.*

WILSON, W. The Calculation and Design of Electrical Apparatus. Third edition, revised. Cr. 8vo. Pp. xv +240. (London : Chapman and Hall, Ltd., 1941.) 10*s*. 6*d*. net.*

Chemistry : Chemical Industry

B.D.H. BOOK OF ORGANIC REAGENTS for Analytical Use. Eighth and enlarged edition. Demy 8vo. Pp. x +155. (London : The British Drug Houses, Ltd., 1941.) 3*s*. 6*d*. net.*

CURTMAN, LOUIS J., and EDMONDS, SYLVAN M. Calculations of Qualitative Analysis. Roy. 8vo. Pp. vii +156. (New York : The Macmillan Company, 1940.) 8*s*. 6*d*. net.*

SMITH, J. L. B., and RINDL, M. Numerical and Constitutional Exercises in Organic Chemistry. Cr. 8vo. Pp. ix +214. (London : Methuen and Co., Ltd., 1941.) 7*s*. 6*d*.*

Technology

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH : BUILDING RESEARCH. Bulletin No. 13 : Calcium Sulphate Plasters. By W. R. Pippard. Revised edition. Roy. 8vo. Pp. iv +16. (London : H.M. Stationery Office, 1940.) 4*d*. net.*

Geography : Travel

ALBEE, RUTH and BILL. Alaska Challenge. Demy 8vo. Pp. 352. (London : Robert Hale, Ltd., 1941.) 15*s*. net.

DEMAISON, ANDRÉ. The New Noah's Ark. Translated from the French by Eric Sutton. Demy 8vo. Pp. 313. (London : J. M. Dent and Sons, Ltd., 1941.) 10*s*. 6*d*. net.

MORTON, H. V. Middle East. Cr. 8vo. Pp. 335. (London : Methuen and Co., Ltd., 1941.) 8*s*. 6*d*. net.

SLOAN, DONALD. Polynesian Paradise. Demy 8vo. Pp. 288. (London : Robert Hale, Ltd., 1941.) 12*s*. 6*d*. net.

General Biology : Natural History Botany : Zoology

COTTON, BERNARD C., and GODFREY, FRANK K. The Molluscs of South Australia. Part 2 : Scaphopoda, Cephalopoda, Aplacophora and Crepipoda. (Handbook of the Flora and Fauna of South Australia, issued by the South Australian Branch of the British Science Guild, now incorporated with the British Association for the Advancement of Science.) Roy. 8vo. Pp. 315–600. (Adelaide : Government Printer, 1940.) 7*s*. 6*d*.*

CURTIS's Botanical Magazine. Edited by Sir Arthur William Hill. (Published for the Royal Horticultural Society, London.) Roy. 8vo. Vol. 163, Part 3. Pp. 40 + plates 9623–9633. (London : Bernard Quaritch, Ltd., 1941.) 17*s*. 6*d*. net.*

GABRIELSON, IRA N. Wildlife Conservation. Roy. 8vo. Pp. xvi +250 +32 plates. (New York : The Macmillan Company, 1941.) 15*s*. net.*

INTERNATIONAL WILDFOWL INQUIRY. Vol. 1 : Factors affecting the General Status of Wild Geese and Wild Duck. Sup. Roy. 8vo. Pp. x +123. (Cambridge : At the University Press, 1941.) 8*s*. 6*d*. net.*

MORSE, RICHARD. The Open Book of Wild Life : an Introduction to Nature Study. Demy 8vo. Pp. 240 +48 plates. (London : Adam and Charles Black, Ltd., 1941.) 8*s*. 6*d*. net.*

WOODRUFF, LORANDE LOSS. Foundations of Biology. Sixth edition. Demy 8vo. Pp. xvii +773. (New York : The Macmillan Company, 1941.) 3.75 dollars.*

Agriculture : Horticulture : Forestry

MASSINGHAM, H. J., Collected and edited, with an Introduction by. England the Farmer. A Symposium by Viscount Lymington, Sir Albert Howard, C. Henry Warren, Adrian Bell, Rolf Gardiner, L. J. Picton and Sir George Stapledon. Demy 8vo. Pp. vi +154 +81 plates. (London : B. T. Batsford, Ltd., 1941.) 10*s*. 6*d*. net.*

Miscellany

CARR, E. H. The Future of Nations : Independence or Interdependence ? (The Democratic Order, No. 14.) Cr. 8vo. Pp. 64. (London : Kegan Paul and Co., Ltd., 1941.) 1*s*. net.*

EINZIG, PAUL. Hitler's "New Order" in Europe. Demy 8vo. Pp. xii +147. (London : Macmillan and Co., Ltd., 1941.) 7*s*. 6*d*. net.*

EPSTEIN, M., Edited by. The Statesman's Year-Book : Statistical and Historical Annual of the States of the World for the Year 1941. Seventy-eighth annual publication : revised after Official Returns. Cr. 8vo. Pp. xxxvi +1487. (London : Macmillan and Co., Ltd., 1941.) 20*s*. net.*

EVANS, OWEN E. Redeeming the Time : a Survey of Junior Instruction Centre Movement. (University of Liverpool : Social Science Department, Statistics Division.) Demy 8vo. Pp. 64. (Liverpool : University Press of Liverpool, 1941.) 2*s*. 6*d*. net.*

GRAY, GEORGE W. Education on an International Scale : a History of the International Education Board, 1923–1938. Demy 8vo. Pp. xiii +114. (New York : Harcourt, Brace and Co., Inc., 1941.) 2 dollars.*

GREGORY, SIR RICHARD. Science in Chains. (Macmillan War Pamphlets, No. 12.) Cr. 8vo. Pp. 32. (London : Macmillan and Co., Ltd., 1941.) 3*d*. net.*

HAFFNER, SEBASTIAN. Offensive Against Germany. (Searchlight Books, No. 2.) Gl. 8vo. Pp. 128. (London : Martin Secker and Warburg, Ltd., 1941.) 2*s*. net.*

HUXLEY, JULIAN. Argument of Blood : the Advancement of Science. (Macmillan War Pamphlets, No. 11.) Cr. 8vo. Pp. 48. (London : Macmillan and Co., Ltd., 1941.) 3*d*. net.*

KEETON, GEORGE W. The Case for an International University. Cr. 8vo. Pp. 40. (London : Watts and Co., Ltd., 1941.) 6*d*. net.*

PICK, FRANK. Britain must Rebuild : a Pattern for Planning. (The Democratic Order, No. 17.) Cr. 8vo. Pp. 64. (London : Kegan Paul and Co., Ltd., 1941.) 1*s*. net.*

SINGER, CHARLES. A Short History of Science to the Nineteenth Century. Demy 8vo. Pp. xiv +400. (Oxford : Clarendon Press ; London : Oxford University Press, 1941.) 8*s*. 6*d*. net.*

SPENCER, F. H. Education for the People. Cr. 8vo. Pp. vii +306. (London : George Routledge and Sons, Ltd., 1941.) 7*s*. 6*d*. net.*

STREIT, CLARENCE K. Union Now with Britain. Ex. Cr. 8vo. Pp. 286. (London : Jonathan Cape, Ltd., 1941.) 7*s*. 6*d*. net.*

WEEMS, LT.-COMDR. P. V. H. Marine Navigation. Med. 8vo. Pp. x +443. (London : Chapman and Hall, Ltd., 1941.) 30*s*. net.*

POLARIMETER WITH ELECTRICALLY ILLUMINATED CIRCLE

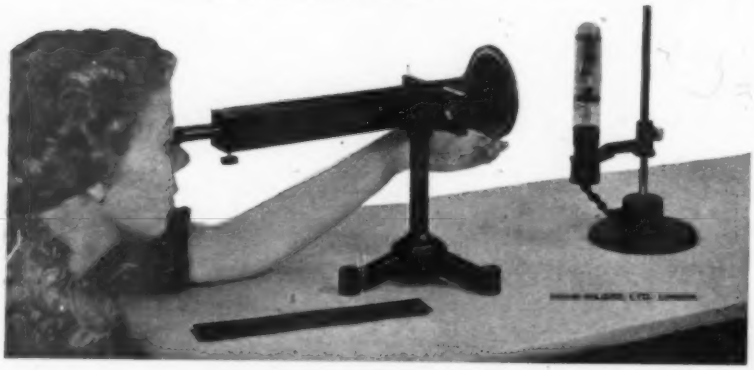
A robustly built instrument suitable for the most exacting research work or for industrial control. Massive stand. Enclosed circle with electric illumination specially designed for easy reading. Degree and I.S. scales. A model can be supplied with the Hilger Standard Accessory Bar for use in combination with monochromators for spectropolarimetry.

HILGER POLARIMETERS

ADAM HILGER LTD.
98 St. Pancras Way - Camden Road
LONDON - N.W.1 - ENGLAND
Phone : GULliver 4451 (3 lines)

INDUSTRIAL AND MEDICAL POLARIMETER

A simple polarimeter suitable for work requiring no greater accuracy of reading than 0·05°. Convenient to use. Embodies special optical system which keeps field in constant focus and reduces effects of turbid solutions.



PRINTED IN GREAT BRITAIN BY FISHER, KNIGHT AND CO., LTD., ST. ALBANS.

RECENT SCIENTIFIC AND TECHNICAL BOOKS

Volumes marked with an asterisk (*) have been received at "NATURE" Office

Mathematics : Mechanics : Physics

NOAKES, G. R. A Text-Book of Electricity and Magnetism. Cr. 8vo. Pp. x + 513. (London : Macmillan and Co., Ltd., 1941.) 8*s*. 6*d*.*

Engineering

PEMBERTON-BILLING, NOEL. The Aeroplane of Tomorrow. Demy 8vo. Pp. 307. (London : Robert Hale, Ltd., 1941.) 12*s*. 6*d*. net.*

SURGE PHENOMENA : Seven Years' Research for the Central Electricity Board (1933–1940). (Reference 8/T35.) Demy 4to. Pp. viii + 426. (London : British Electrical and Allied Industries Research Association, 1941.) 50*s*. net.*

Chemistry : Chemical Industry

GLASSTONE, SAMUEL. Text-Book of Physical Chemistry. Med. 8vo. Pp. xiii + 1289. (London : Macmillan and Co., Ltd., 1940.) 42*s*. net.*

JACOBS, MORRIS B. The Analytical Chemistry of Industrial Poisons, Hazards and Solvents. (Chemical Analysis, Vol. 1.) Med. 8vo. Pp. 650. (New York : Interscience Publishers, Inc., 1941.) 7 dollars.

KOLTHOFF, I. M., and LINGANE, J. J. Polarography : Polarographic Analysis and Voltammetry, Amperometric Titrations. Med. 8vo. Pp. 500. (New York : Interscience Publishers, Inc., 1941.) 6 dollars.

MARK, H. Physical Chemistry of High Polymeric Systems. Translated from the Manuscript by K. Sinclair, revised by J. Edmund Woods. (High Polymers, Vol. 2.) Med. 8vo. Pp. x + 345. (New York : Interscience Publishers, Inc. ; London : H. K. Lewis and Co., Ltd., 1940.) 6.50 dollars ; 39*s*. net.*

MARK, H., and WHITBY, G. STAFFORD, Edited by. Collected Papers of Wallace Hume Carothers on High Polymeric Substances. (High Polymers, Vol. 1.) Med. 8vo. Pp. xi + 459. (New York : Interscience Publishers, Inc. ; London : H. K. Lewis and Co., Ltd., 1940.) 8.50 dollars ; 51*s*. net.*

NORD, F. F., and WERKMAN, C. H., Edited by. Advances in Enzymology and Related Substances. Vol. 1. Med. 8vo. Pp. x + 433. (New York : Interscience Publishers, Inc. ; London : H. K. Lewis and Co., Ltd., 1941.) 5.50 dollars ; 33*s*. net.*

REINER, MIRIAM. Manual of Clinical Chemistry. Cr. 8vo. Pp. xv + 296. (New York : Interscience Publishers, Inc. ; London : H. K. Lewis and Co., Ltd., 1941.) 3 dollars ; 18*s*. net.*

TIMMERMANS, JEAN. Chemical Species (La notion d'espèce en chimie). Translated from the revised French manuscript by Ralph E. Oesper. Demy 8vo. Pp. ix + 177. (London : Macmillan and Co., Ltd., 1941.) 18*s*. net.*

Technology

LYLE, OLIVER. Technology for Sugar Refinery Workers. Med. 8vo. Pp. 401. (London : Chapman and Hall, Ltd., 1941.) 15*s*. net.*

MARSH, J. T. Mercerising. Demy 8vo. Pp. xv + 458 + 56 plates. (London : Chapman and Hall, Ltd., 1941.) 32*s*. net.*

MILLER, J. L. Modern Assembly Processes : their Development and Control. Demy 8vo. Pp. xii + 168 + 28 plates. (London : Chapman and Hall, Ltd., 1941.) 13*s*. 6*d*. net.*

SUSCHITZKY, W. Photographing Animals. Cr. 4to. Pp. 80. (London : The Studio, Ltd., 1941.) 8*s*. 6*d*. net.

General Biology : Natural History Botany : Zoology

BUCK, FRANK. Animals are Like That ! Demy 8vo. Pp. 253 + 16 plates. (London : Robert Hale, Ltd., 1941.) 12*s*. 6*d*. net.

DURDEN, J. V. ; FIELD, MARY ; and SMITH, F. PERCY. Cine-Biology. (Pelican Books, A85.) Gl. 8vo. Pp. 128 + 32 plates. (Harmondsworth, Middx., and New York : Penguin Books, Ltd., 1941.) 6*d*. net.*

FISCHER, HELEN FIELD, and HARSHBARGER, GRETCHEN FISCHER. The Flower Family Album. Family Histories by Helen Field Fischer and Portraits by Gretchen Fischer Harshbarger. Oblong Demy 4to. Pp. iii + 130. (Minneapolis, Minn. : University of Minnesota Press, 1941.) 2.50 dollars.*

MAVOR, JAMES WATT. General Biology. Revised edition. Roy. 8vo. Pp. xxx + 897. (New York : The Macmillan Company, 1941.) 4 dollars.*

WILLIAMSON, HENRY. Salar the Salmon. (The Faber Library.) Cr. 8vo. Pp. 320. (London : Faber and Faber, Ltd., 1941.) 3*s*. 6*d*. net.

Agriculture : Horticulture : Forestry

CLAPHAM, J. H., and POWER, the late EILEEN, Edited by. The Cambridge Economic History of Europe from the Decline of the Roman Empire. Vol. 1 : The Agrarian Life of the Middle Ages. Med. 8vo. Pp. xvii + 650. (Cambridge : At the University Press, 1941.) 30*s*. net.*

HAMBIDGE, GOVE, Edited by. Hunger Signs in Crops. A Symposium prepared by George M. Bahrt, Bailey E. Brown, Arthur F. Camp, H. D. Chapman, H. P. Cooper, O. W. Davidson, Ernest E. DeTurk, George N. Hoffer, Henry A. Jones, James E. McMurtrey, Jr., Edwin R. Parker, Robert M. Salter, George D. Scarseth, Joshua J. Skinner. Sup. Roy. 8vo. Pp. xiii + 327 (79 plates). (Washington, D.C. : National Fertilizer Association, Inc., 1941.) 2.50 dollars.*

WHITEHEAD, GEORGE E. Plain Fruit Growing. (Kitchen Front Series.) Fcap. 8vo. Pp. 96. (London : Adam and Charles Black, Ltd., 1941.) 2*s*. 6*d*. net.

Anatomy : Physiology

ANNUAL REVIEW OF PHYSIOLOGY. James Murray Luck, Editor ; Victor E. Hall, Associate Editor. (Published by the American Physiological Society and Annual Reviews, Inc.) Vol. 3. Med. 8vo. Pp. viii + 784. (Stanford University P.O., Calif. : Annual Reviews, Inc., 1941.) 5 dollars.*

CALLOW, A. BARBARA. Good Health on War-Time Food. Fcap. 8vo. Pp. 32. (London, New York and Toronto : Oxford University Press, 1941.) 6*d*. net.*

CARLSON, A. J., and JOHNSON, V. The Machinery of the Body. Revised edition. Roy. 8vo. Pp. xx + 620. (Chicago : University of Chicago Press ; London : Cambridge University Press, 1941.) 24*s*. net.

FEARON, WILLIAM ROBERT. An Introduction to Biochemistry. Second edition. Demy 8vo. Pp. xii + 475. (London : William Heinemann (Medical Books), Ltd., 1940.) 17*s*. 6*d*. net.*

PLIMMER, VIOLET G. Food Values in War-Time. Cr. 8vo. Pp. 80. (London, New York and Toronto : Longmans, Green and Co., Ltd., 1941.) 1*s*. net.*

STARLING's Principles of Human Physiology. Eighth edition, edited and revised by C. Lovatt Evans ; the Chapters on the Special Senses revised by H. Hartridge. Roy. 8vo. Pp. x + 1247. (London : J. and A. Churchill, Ltd., 1941.) 32*s*.*

HILGER
APPARATUS
FOR THE STUDY OF
INFRA-RED SPECTRA

INCLUDES

The BARFIT INFRA-RED SPECTROMETER **D222**

The LARGE INFRA-RED SPECTROMETER F/4·5 **D88**

Both with four alternative optical systems of different ranges and dispersions. Stainless steel collimator and telescope mirrors. Hilger linear thermopiles. Helical drum scales calibrated in wavelengths.

The MÜLLER-HILGER UVISIR DOUBLE SPECTROMETER-MONOCHROMATOR **D121 etc.**

with optical trains of Quartz, Rocksalt, Sylvine or Glass. Automatic wave-length adjustment by large drum divided in wave-lengths or refractive indices. Easily interchangeable optical trains. Very high purity of exit radiation. Large aperture.

INFRA-RED PRISM-GRATING SPECTROMETER FOR MEASURING THE ABSORPTION OF GASES **D79**

Modified from the designs of Sleator (*Astrophys. J.*, **48**, 125–143, 1918) and Imes (*Astrophys. J.*, **50**, 251–276, 1919) with improvements suggested by Snow and Taylor (*Proc. Roy. Soc.*, **A**, **124**, 442–452, 1929).

AUTOMATICALLY RECORDING INFRA-RED SPECTROMETER

Galvanometer deflections are recorded on a drum-camera coupled to the wave-length drum. Four interchangeable optical trains.

PHOTOELECTRIC GALVANOMETER RELAY

to give high sensitivity with robust galvanometers relatively insensitive to external disturbances.

INFRA-RED SPECTROGRAPHS

with glass dispersing systems. Range of spectrum 4,000 A. to 15,000 A. Length of spectrum between 4,000 A. and 14,000 A. is about 130 mm. Size of photographic plate 10 × 4 in. Wave-length scale optional.

ADAM HILGER LTD.

98 St. Pancras Way Camden Road

LONDON N.W.1 ENGLAND

Phone: GULliver 4451 (3 lines)

PRINTED IN GREAT BRITAIN BY FISHER, KNIGHT AND CO., LTD., ST. ALBANS

BOOKS

NEW SCIENTIFIC BOOKS

The large stock of English and Foreign Scientific books is arranged for easy inspection.
Classified Catalogues post free on request.

All usual Services are available.

SCIENTIFIC LENDING LIBRARY

The Library lends books on the Pure, Applied and Medical Sciences
Annual Subscription, Town or Country, from *One Guinea.*
Prospectus post free on application.

SECOND-HAND SCIENTIFIC BOOKS

Larger stock of *recent editions* of Medical and Scientific books offered at reduced prices. EARLY MEDICAL and SCIENTIFIC books available. *Address:* 140 GOWER STREET.

STATIONERY

for the Student and Research Worker. Drawing Instruments, Slide Rules, Logarithmic and Squared Papers. Microscope Slides, Cover Slips and Boxes.

H. K. LEWIS & Co. Ltd.
136 GOWER STREET, LONDON, W.C.1
Telephone: EUSton 4282 (5 lines)

Geophysical Prospecting for Oil

By L. L. NETTLETON

Geophysicist, Gulf Research and Development Company, Pittsburgh, Pa., Advisory Professor of Physics, University of Pittsburgh

444 pages, 9×6, 177 text figures, 35/- net

CONTENTS

Preface
Introduction

Part I.—Gravitational Methods
Fundamental Principles and Units
Gravity of the Earth
Direct Gravity Measuring Instruments
The Reduction of Gravity Measurements
The Eötvös Torsion Balance
Gravity Calculations and Interpretation
Isostasy
Appendix I.—Tables of Normal Gravity
Appendix II.—Gravity Terrain Correction Charts and Tables
Bibliography

Part II.—Magnetic Method
Fundamental Principles and Units
Magnetism of the Earth
Geomagnetic Measuring Instruments
Reduction of Magnetometer Observations
Magnetic Calculations and Interpretation
Bibliography

Part III.—Seismic Methods
Fundamental Principles
Theory of Refraction Shooting
Reflection Shooting
The Reduction of Seismic Observations
Seismic Apparatus
Seismic Field Operations and Interpretation
Appendix: Derivation of Equations for Equal Time Circles
Bibliography

Part IV.—Electrical and Miscellaneous Methods and Measurements in Drill Holes
Electrical Prospecting Methods
Electrical Well Logging
Miscellaneous Prospecting Methods and Operations in Wells
Bibliography

Part V.—Geophysical Interpretation
Geophysical Interpretation
Index

McGraw-Hill Publishing Co. Ltd.
Aldwych House, London, W.C.2

Our RARE BOOK DEPARTMENT is the LARGEST Stockist of complete Sets, Runs and separate Volumes of

SCIENTIFIC PERIODICALS, ACADEMICAL AND LEARNED SOCIETY PUBLICATIONS

(English and Foreign)

WE INVITE OFFERS OF THESE, FOR WHICH WE ARE PREPARED TO PAY THE HIGHEST COMPETITIVE PRICES

COMPLETE LIBRARIES PURCHASED

EARLY SCIENTIFIC WORKS AND BOOKS ON THE HISTORY OF SCIENCE WANTED

CATALOGUES ISSUED

WM. DAWSON & SONS LTD.
Cannon House, Pilgrim Street - - LONDON, E.C.4
Tel.: CITY 3761 (8 lines)

LARGE DEPT. FOR BOOKS ON SCIENCE

FOYLES

BOOKSELLERS TO THE WORLD

New and secondhand Books on every subject
Stock of nearly 3 million volumes

JOIN THE SCIENTIFIC BOOK CLUB! Members buy outstanding Scientific Books (published at 7/6, 10/6 & 12/6) for ONLY 2/6

113-125 Charing Cross Rd., London, W.C.2

Telephone: Gerrard 5660 (16 lines)

Meteorological Instruments

MERCURIAL BAROMETERS
THERMOMETERS
THERMOGRAPHS
HYGROGRAPHS

Supplied by Laboratory furnishers, Scientific Instrument dealers, etc.

F. DARTON & COMPANY LTD.
56-58 CLERKENWELL ROAD, LONDON, E.C.1

Write to:

HEFFER'S BOOKSHOP

for all books on Scientific and Technical subjects, and indeed for books in every field of learning. Classified Catalogues and special Scientific Supplements are still issued (at least as far as paper control regulations allow!) and will be sent free on request.

W. HEFFER & SONS, LTD.
BOOKSELLERS CAMBRIDGE, ENGLAND

RECENT SCIENTIFIC AND TECHNICAL BOOKS

Volumes marked with an asterisk (*) have been received at "NATURE" Office

Mathematics : Mechanics : Physics

ARCHIBALD, RAYMOND CLARE. Outline of the History of Mathematics. Fifth edition, revised and enlarged. Med. 8vo. Pp. ii +76. (Oberlin, Ohio: Mathematical Association of America, Inc., 1941.) 75 cents.*

WALLING, S. A., and HILL, J. C. Aircraft Mathematics. Cr. 8vo. Pp. 190. (Cambridge: At the University Press, 1941.) 2*s*. 9*d*.

ZIMMER, ERNST. The Revolution in Physics. Translated and with a Preface by H. Stafford Hatfield. Ex. Cr. 8vo. Pp. xv +240. (London: The Scientific Book Club, 1941.) 2*s*. 6*d*.*

Chemistry : Chemical Industry

BARRER, RICHARD M. Diffusion In and Through Solids. (Cambridge Series of Physical Chemistry.) Demy 8vo. Pp. xiii +464. (Cambridge: At the University Press, 1941.) 30*s*. net.*

GLASSTONE, SAMUEL. Text-Book of Physical Chemistry. Med. 8vo. Pp. xiii +1289. (London: Macmillan and Co., Ltd., 1940.) 42*s*. net.*

GOODMAN, LOUIS, and GILMAN, ALFRED. The Pharmacological Basis of Therapeutics: a Textbook of Pharmacology, Toxicology and Therapeutics for Physicians and Medical Students. Sup. Roy. 8vo. Pp. xiii + 1383. (New York: The Macmillan Company, 1941.) 50*s*. net.*

HARTMAN, ROBERT J. Colloid Chemistry. Roy. 8vo. Pp. xxviii +556. (London: Sir Isaac Pitman and Sons, Ltd., 1941.) 21*s*. net.*

JACOBS, MORRIS B. The Analytical Chemistry of Industrial Poisons, Hazards and Solvents. (Chemical Analysis: a Series of Monographs on Analytical Chemistry and its Applications, Vol. 1.) Med. 8vo. Pp. xviii +661. (New York: Interscience Publishers, Inc.; London: H. K. Lewis and Co., Ltd., 1941.) 7 dollars; 42*s*.*

KOLTHOFF, I. M., and LINGANE, J. J. Polarography: Polarographic Analysis and Voltammetry; Amperometric Titrations. Med. 8vo. Pp. 510. (New York: Interscience Publishers, Inc.; London: H. K. Lewis and Co., Ltd., 1941.) 6 dollars; 36*s*.*

Technology

FANSTONE, R. M. All About Photos in the Garden. (New Photo Guide Series.) Fcap. 8vo. Pp. 56. (London and New York: The Focal Press, 1941.) 1*s*. 6*d*.

GREENWOOD, H. W. All About Copying and Your Camera. (New Photo Guide Series.) Fcap. 8vo. Pp. 56. (London and New York: The Focal Press, 1941.) 1*s*. 6*d*.

JACOBSON, C. I. All About Making Enlargements in Your Darkroom. (New Photo Guide Series.) Fcap. 8vo. Pp. 56. (London and New York: The Focal Press, 1941.) 1*s*. 6*d*. net.

WADENOYEN, HUGO VAN. All About Against the Sun Effects and Your Camera. (New Photo Guide Series.) Fcap. 8vo. Pp. 56. (London and New York: The Focal Press, 1941.) 1*s*. 6*d*.

Meteorology : Geophysics

MIDDLETON, W. E. KNOWLES. Visibility in Meteorology: the Theory and Practice of the Measurement of the Visual Range. Second edition, completely revised and enlarged. Med. 8vo. Pp. x +165. (Toronto: University of Toronto Press; London: Oxford University Press, 1941.) 15*s*. 6*d*. net.*

Geology : Mineralogy

GRABAU, A. W. The Rhythm of the Ages: Earth History in the Light of the Pulsation and Polar Control Theories. Roy. 8vo. Pp. xvii +561. (London: Probsthain and Co., 1941.) 30*s*.

NORTH, F. J., DAVIDSON, C. F., and SWINTON, W. E. Geology in the Museum. (Published for the Museums Association.) Cr. 16mo. Pp. viii +104 +6 plates. (London: Oxford University Press, 1941.) 5*s*. net.*

Geography : Travel

BAGNOLD, RALPH A. Libyan Sands: Travel in a Dead World. (Black Jacket Series.) Gl. 8vo. Pp. 288. (London: Hodder and Stoughton, Ltd., 1941.) 2*s*. 6*d*. net.*

FERRIDAY, A. A Map Book of Australasia: for Juniors and the Middle Forms. Cr. 4to. Pp. 48. (London: Macmillan and Co., Ltd., 1941.) Paper, 1*s*. 9*d*.; cloth, 2*s*.

LATTIMORE, OWEN. Mongol Journeys. Ex. Cr. 8vo. Pp. 284. (London: Jonathan Cape, Ltd., 1941.) 12*s*. 6*d*. net.

LEWITT and HIM. Polish Panorama. Demy 8vo. Pp. 144. (London: M. I. Kolin (Publishers), Ltd., 1941.) 8*s*. 6*d*. net.

PARSONS, CLAUDIA. Vagabondage. Demy 8vo. Pp. 304 +16 plates. (London: Chatto and Windus, 1941.) 15*s*. net.

DE POUCINS, GOUTRAN, in collaboration with GALANTIÈRE, LEWIS. Kabloona. Ex. Cr. 8vo. Pp. 322 +16 plates. (London: Jonathan Cape, Ltd., 1941.) 12*s*. 6*d*. net.

SAVA, GEORGE. Valley of Forgotten People. Demy 8vo. Pp. 296. (London: Faber and Faber, Ltd., 1941.) 12*s*. 6*d*. net.

SLOAN, DONALD. Polynesian Paradise: an Elaborated Travel Journal, based on Ethnological Facts. Demy 8vo. Pp. 288 +15 plates. (London: Robert Hale, Ltd., 1941.) 12*s*. 6*d*. net.*

General Biology : Natural History Botany : Zoology

BRIGHTWELL, L. R. The Garden Naturalist. Demy 8vo. Pp. 48. (London: The Medici Society, Ltd., 1941.) 1*s*. 6*d*. net.

BRITISH MUSEUM (NATURAL HISTORY). British Graham Land Expedition, 1934–37. Scientific Reports, Vol. 1, No. 9: A Bibliography of Antarctic Ornithology. By Brian Roberts. Roy. 4to. Pp. 337–368. (London: British Museum (Natural History), 1941.) 2*s*. 6*d*.*

ELLINGER, FRIEDRICH. The Biologic Fundamentals of Radiation Therapy: a Textbook. English translation by Reuben Gross. Roy. 8vo. Pp. xvi +360. (New York: Elsevier Publishing Company, Inc.; London: H. K. Lewis and Co., Ltd., 1941.) 5 dollars.

MACY, RALPH W., and SHEPARD, HAROLD H. Butterflies: a Handbook of the United States, complete for the Region North of the Potomac and Ohio Rivers and East of the Dakotas. Med. 8vo. Pp. vii +247. (Minneapolis, Minn.: University of Minnesota Press, 1941.) 3.50 dollars.*

MASSINGHAM, H. J. The Fall of the Year: July–August–September–October–November–December. Cr. 8vo. Pp. 220. (London: Chapman and Hall, Ltd., 1941.) 6*s*. net.*

RAMAKRISHNA AYYAR, T. V. Handbook of Economic Entomology for South India. Roy. 8vo. Pp. xix +528. (Madras: Government Press, 1940.) 4.12 rupees.*

SAMPSON, KATHLEEN, and WESTERN, J. H. Diseases of British Grasses and Herbage Legumes. (Issued for the Authors by the British Mycological Society.) Roy. 8vo. Pp. vii +85 +8 plates. (Cambridge: At the University Press, 1941.) 5*s*. net.*

SOWTER, F. A. The Cryptogamic Flora of Leicestershire and Rutland—Bryophytes. Roy. 8vo. Pp. 68. (Leicester: Edgar Backus; London: Simpkin Marshall, Ltd., 1941.) 5*s*.*

Anatomy: Physiology

ANNUAL REVIEW OF BIOCHEMISTRY. James Murray Luck, Editor; James H. C. Smith, Associate Editor. Vol. 10. Med. 8vo. Pp. xi +692. (Stanford University P.O., Calif.: Annual Reviews, Inc., 1941.) 5 dollars.*

CARLSON, A. J., and JOHNSON, V. The Machinery of the Body. Revised edition. Roy. 8vo. Pp. 640. (Chicago: University of Chicago Press; Cambridge: At the University Press, 1941.) 24*s*. net.

Anthropology: Archæology

HOOTON, EARNEST ALBERT. Why Men Behave like Apes and Vice Versa: or Body and Behavior. Demy 8vo. Pp. xxv +234 +22 plates. (Princeton, N.J.: Princeton University Press; London: Oxford University Press, 1941.) 18*s*. 6*d*. net.*

Philosophy: Psychology

BAYNES, H. G. Germany Possessed. Demy 8vo. Pp. 305. (London: Jonathan Cape, Ltd., 1941.) 16*s*. net.*

LAIRD, JOHN. Mind and Deity: being the Second Series of a Course of Gifford Lectures on the General Subject of Metaphysics and Theism given in the University of Glasgow in 1940. Demy 8vo. Pp. 322. (London: George Allen and Unwin, Ltd., 1941.) 10*s*. 6*d*. net.*

REID, THOMAS. Essays on the Intellectual Powers of Man. Edited and abridged by A. D. Woozley. Demy 8vo. Pp. xlviii +456. (London: Macmillan and Co., Ltd., 1941.) 21*s*. net.

STEBBING, L. SUSAN. Ideals and Illusions. Demy 8vo. Pp. xiii +206. (London: Watts and Co., Ltd., 1941.) 8*s*. 6*d*. net.*

WILLS, W. DAVID. The Hawkspur Experiment: an Informal Account of the Training of Wayward Adolescence. Cr. 8vo. Pp. 193. (London: George Allen and Unwin, Ltd., 1941.) 6*s*. net.

Miscellany

BAITSELL, GEORGE A., Edited by. Science in Progress. By L. J. Stadler, F. W. Went, J. F. Fulton, Douglas Johnson, Alfred C. Lane, H. P. Robertson, Carl D. Anderson, Duncan A. MacInnes, J. W. Beams, J. C. Hunsaker. Second Series. (The Society of the Sigma XI devoted to the Promotion of Research in Science: National Lectureships 1939 and 1940.) Roy. 8vo. Pp. xii +317. (New Haven, Conn.: Yale University Press; London: Oxford University Press, 1940.) 24*s*. net.*

BRAGG, SIR WILLIAM. Science and Faith. (University of Durham: Riddell Memorial Lectures, Thirteenth Series, delivered before the University of Durham at King's College, Newcastle-upon-Tyne, on 7 March 1941.) Cr. 8vo. Pp. 24. (London: Oxford University Press, 1941.) 1*s*. 6*d*. net.*

CLAGETT, MARSHALL. Giovanni Marliani and Late Medieval Physics. (Studies in History, Economics and Public Law, edited by the Faculty of Political Science of Columbia University, No. 483.) Med. 8vo. Pp. 182. (New York: Columbia University Press; London: P. S. King and Son, Ltd., 1941.) 10*s*.*

CLAPHAM, J. H. William Robert Scott, 1868–1940. (From the *Proceedings* of the British Academy, Vol. 26.) Roy. 8vo. Pp. 12. (London: Oxford University Press, 1941.) 1*s*. 6*d*. net.*

'CLERICUS.' The Crisis in the Church: an Open Letter to the Archbishop of York. (The Thinker's Forum, No. 12.) Cr. 8vo. Pp. 48. (London: Watts and Co., Ltd., 1941.) 6*d*. net.*

COLLINS, A. FREDERICK. Science on Parade. Demy 8vo. (New York and London: D. Appleton-Century Co., Inc., 1941.) 15*s*. net.

CORNISH, VAUGHAN. Historic Thorn Trees in the British Isles. Demy 8vo. Pp. 94 +9 plates. (London: Country Life, Ltd., 1941.) 8*s*. 6*d*.*

CURTIS, LIONEL. Decision. Cr. 8vo. Pp. 76. (London: Oxford University Press, 1941.) 6*d*. net.*

DAVIE, MAURICE R., Edited by. Sumner To-day: Selected Essays of William Graham Sumner, with Comments by American Leaders. Med. 8vo. Pp. xxvi +194. New Haven, Conn.: Yale University Press; London: Oxford University Press, 1940.) 15*s*. 6*d*. net.*

HERING, DANIEL WEBSTER; SWANN, WILLIAM FRANCIS GRAY; DEWEY, JOHN; COMPTON, ARTHUR H., Time and its Mysteries, Series 2. Four Lectures given on the James Arthur Foundation, New York University. Demy 8vo. Pp. viii +137. (New York: New York University Press; London: Oxford University Press, 1940.) 11*s*. 6*d*. net.*

ISAACS, SUSAN, Edited by; with the co-operation of BROWN, SIBYL CLEMENT, and THOULESS, ROBERT H. The Cambridge Evacuation Survey: a Wartime Study in Social Welfare and Education. Written by Georgina Bathurst, Sibyl Clement Brown, John Bowlby, G. A. Bullen, Nancy Fairbairn, Susan Isaacs, N. S. Mercer, Madeline Rooff, R. H. Thouless. (Contributions to Modern Education.) Cr. 8vo. Pp. ix +236. (London: Methuen and Co., Ltd., 1941.) 8*s*. 6*d*. net.*

LOW, A. M. Romance of Fire. Demy 8vo. Pp. 239. (London: John Gifford, Ltd., 1941.) 8*s*. 6*d*. net.

MCALLISTER, GILBERT, and MCALLISTER, ELIZABETH GLEN. Town and Country Planning: a Study of Physical Environment; the Prelude to Post-War Reconstruction. Demy 8vo. Pp. xxxii +176 +12 plates. (London: Faber and Faber, Ltd., 1941.) 12*s*. 6*d*. net.*

MARETT, ROBERT RANULPH. A Jerseyman at Oxford. Ex. Cr. 8vo. Pp. xi +346 +4 plates. (London, New York and Toronto: Oxford University Press, 1941.) 15*s*. net.*

MAUGHAM, VISCOUNT. Lies as Allies: an Indictment of Hitler. Second edition. Cr. 8vo. Pp. 64. (London, New York and Toronto: Oxford University Press, 1941.) 6*d*. net.*

MOORE, ELEANOR M. Youth in Museums. Sup. Roy. 8vo. Pp. ix +115 +12 plates. (Philadelphia: University of Pennsylvania Press; London: Oxford University Press, 1941.) 12*s*. net.*

OAKES, LOIS, Compiled by; assisted by DAVIE, THOS. B. A Pocket Medical Dictionary. Fifth edition. Cr. 16mo. Pp. xx +418. (Edinburgh: E. and S. Livingstone, 1941.) 3*s*. 6*d*. net.*

OSBORN, F. J. Overture to Planning. (Rebuilding Britain Series, No. 1.) Demy 8vo. Pp. 29. (London: Faber and Faber, Ltd., 1941.) 1*s*. net.*

PURDOM, C. B. The New Order. Cr. 8vo. Pp. xvi + 286. (London: J. M. Dent and Sons, Ltd., 1941.) 7*s*. 6*d*. net.*

QUELCH, MARY THORNE. Herbs for Daily Use in Home Medicine and Cookery. Cr. 8vo. Pp. 328. (London: Faber and Faber, Ltd., 1941.) 8*s*. 6*d*. net.*

RANKIN, W. MUNN, and HILDRETH, E. M. Intermediate Domestic Science (Theoretical and Practical). Cr. 8vo. Part 1: Foods and Dietetics. Pp. x +399. 7*s*. 6*d*. Part 2: Textiles in the Home. Pp. ix + 122. 3*s*. (London: Allman and Son, Ltd., 1940.)*

THORNDIKE, LYNN. A History of Magic and Experimental Science. Vols. 5 and 6: The Sixteenth Century. (History of Science Society Publications, New Series 4.) Demy 8vo. Vol. 5. Pp. xxii +695. Vol. 6. Pp. xviii +766. (New York: Columbia University Press; London: Oxford University Press, 1941.) 66*s*. 6*d*. net.*

WADDINGTON, C. H. The Scientific Attitude. (Pelican Books, A84.) Gl. 8vo. Pp. 128 +8 plates. (Harmondsworth, Middx., and New York: Penguin Books, Ltd., 1941.) 6*d*. net.*

WALSHE, F. M. R. Diseases of the Nervous System: Described for Practitioners and Students. Second edition. Med. 8vo. Pp. xvi +325. (Edinburgh: E. and S. Livingstone, 1941.) 12*s*. 6*d*. net.*

WINN, D. S. MERRICK, and HUNT, H. First Aid in Air Raids. Cr. 8vo. Pp. 56. (London: Faber and Faber, Ltd., 1941.) 6*d*. net.*

WOODALL, E. A., and DENNE, E. C. Elementary Physics and Chemistry: for Students of Biology. Demy 8vo. Pp. 224. (London, Bombay and Sydney: George G. Harrap and Co., Ltd., 1941.) 4*s*. 6*d*.*

FINE CHEMICALS

manufactured by

Boots

ACRIFLAVINE
ASPIRIN
BISMUTH SALTS
CALCIFEROL
CHLORAMINE-T
CHLOROFORM
CITRATES
GLYCEROPHOSPHATES
HEXOESTROL
IODOFORM
IODINE RESUBLIMED
MAGNESIUM CARBONATE
MANDELIC ACID AND SALTS
POTASSIUM PERMANGANATE
POTASSIUM IODIDE
QUININE SALTS
SODIUM IODIDE
SODIUM SULPHATE
STILBOESTROL
SULPHANILAMIDE

All B.P. products comply with the requirements of the British Pharmacopoeia, 1932, and must also pass exacting tests included in Boots own specifications

Enquiries for any of the above products should be made to the

WHOLESALE AND EXPORT DEPARTMENT

BOOTS PURE DRUG CO. LTD NOTTINGHAM

B721-63

SECOND-HAND MICROSCOPES

by
SWIFT, BECK, WATSON, BAKER, ZEISS, LEITZ, REICHERT, HIMMLER, BAUSCH & LOMB, etc.

MICROSCOPES BOUGHT for CASH OR TAKEN IN EXCHANGE

A limited selection available. State requirements.

CLARKSON'S, 338 High Holborn, LONDON, W.C.1
Opp. Gray's Inn Rd. Phone: HOLborn 2149. Estab. over a Century

PHILIPS

HIGH TENSION RECTIFYING VALVES (BRITISH MADE)

For CONDENSER CHARGING CABLE TESTING PRECIPITATION, etc.
★
Stock sizes 125kV and 220kV (reverse peak pressure)
★
Also FILAMENT HEATING TRANSFORMERS

We invite your enquiries.

PHILIPS METALIX (PHILIPS LAMPS LTD.)
CENTURY HOUSE, SHAFTESBURY AVENUE, LONDON, W.C.2.

Otis King's Pocket

POCKET CALCULATOR
22/6

"Invaluable . . . and a real time saver"
says one user

The Otis King has the calculating possibilities of a 66 in. Slide Rule, but closes up to fit the pocket.

Write for free descriptive pamphlet

CARBIC LIMITED
(Dept. N)
137, Conway Road, Southgate, LONDON, N.14

JAMES
SWIFT
& SON LTD.

Manufacturers of
MICROSCOPES for
BIOLOGY, MINERALOGY, METALLURGY, PHOTOMICROGRAPHIC & PROJECTION APPARATUS, GONIOMETERS, REFRACTOMETERS, SPECTROMETERS, OPTICAL MEASURING & TESTING APPARATUS, POLARISING PRISMS & OPTICAL ELEMENTS

REPAIRS TO ANY MAKE OF ABOVE INSTRUMENTS

Owing to prevailing conditions delivery cannot always be guaranteed

81 Tottenham Court Road
London, W.1

MACMILLAN'S NEW BOOKS

Reconstruction and the Land

SIR A. DANIEL HALL, K.C.B., F.R.S., D.Sc., LL.D.
Formerly Chief Scientific Adviser to the Ministry of Agriculture

This book supplies a plan for the reconstruction of British Agriculture in the national interest. Sir Daniel believes that the State should acquire the agricultural land in order to create generally larger units, and in order to provide for the reconditioning of much land that of late years has not been adequately maintained. But he does not advocate State farming; his recommendation is rather to re-vitalize the existing principles of tenancy and to maintain private enterprise in the actual management of the land.
Sir Daniel's wide experience makes his views of the future of agriculture in Great Britain worthy of the fullest consideration. 12*s.* 6*d. net.*

The Social Relations of Science

J. G. CROWTHER

Mr. Crowther discusses how men's minds were directed toward the study of the material world, and how this led to the invention of tools and the development of agriculture and primitive medicine. He analyses the place of science in Greek, Roman, and Muslim civilizations, and discusses why the complete scientific method was never perfected by any of these peoples.
Mr. Crowther then reviews the influence of society on science in medieval times and through the Renaissance, leading up to the organization of science to-day and what may be expected in the future. He concludes by suggesting how science could be used to make the world a better place, not by Utopian theorizing, but by following intelligently scientific tendencies already in existence.

"His book is a thoughtful and thought-provoking sketch of the influence of science upon society and of society upon science."—SIR RICHARD GREGORY in "Nature." 16*s. net.*

A Text-Book of Electricity and Magnetism

G. R. NOAKES, M.A. (Oxon.), A.Inst.P.
Senior Science Master, Giggleswick School

The needs of candidates taking Higher School Certificate and University Scholarship examinations have, in the main, decided the scope of this book. Among the special topics discussed are the conduction of electricity through gases, the electron microscope, the cathode ray oscillograph and its applications in the laboratory and in television, and electronic devices used in television transmission. The later chapters include an outline of atomic and nuclear physics, touching on the quantum theory, the theory of spectra, artificial radioactivity, etc., and a discussion of some of the main problems of ferromagnetism and the earth's electricity and magnetism. 8*s.* 6*d.*

Plant Science Formulae

PROF. R. C. McLEAN, M.A., D.Sc., F.L.S., and
W. R. IVIMEY COOK, B.Sc., Ph.D., F.L.S.
University College, Cardiff

This is a reference book for plant science laboratories (including bacteriology); it will serve as a practical guide for all laboratory preparations, including stains, museum specimens, fixatives, etc., likely to be required in practical botanical work. 7*s.* 6*d. net.*

MACMILLAN & Co. Ltd., LONDON, W.C.2

RECENT SCIENTIFIC AND TECHNICAL BOOKS

Volumes marked with an asterisk (*) have been received at "NATURE" Office

Mathematics : Mechanics : Physics

CHURCHILL, RUEL V. Fourier Series and Boundary Value Problems. Med. 8vo. Pp. ix +206. (New York and London : McGraw-Hill Book Co., Inc., 1941.) 17*s*. 6*d*.*

DULL, RAYMOND W. Mathematics for Engineers. Second edition. Demy 8vo. Pp. xviii +780. (New York and London : McGraw-Hill Book Co., Inc., 1941.) 35*s*.*

EISENHART, LUTHER PFAHLER. An Introduction to Differential Geometry with Use of the Tensor Calculus. (Princeton Mathematical Series, 3.) Med. 8vo. Pp. x +304. (Princeton, N.J. : Princeton University Press ; London : Oxford University Press, 1940.) 21*s*. 6*d*. net.*

PEACOCK, D. B., and DAVEY, W. H. Arithmetic for the Services. Cr. 8vo. Pp. 96. (Cambridge : At the University Press, 1941.) 2*s*.

Engineering

DURNEY, W. C. Machine Shop Practice. Demy 8vo. Pp. 173. (London : Sir Isaac Pitman and Sons, Ltd., 1941.) 7*s*. 6*d*. net.

MOLLOY, E., Edited by. Electric Lifts. Cr. 8vo. Pp. 232. (London : George Newnes, Ltd., 1941.) 7*s*. 6*d*. net.

ROSSLYN, J. Power Rectifiers. Cr. 8vo. Pp. 200. (London : George Newnes, Ltd., 1941.) 7*s*. 6*d*. net.

Chemistry : Chemical Industry

BAKER, JOHN WILLIAM. An Introduction to Organic Chemistry. (Dent's Modern Science Series.) Cr. 8vo. Pp. vii +177. (London : J. M. Dent and Sons, Ltd., 1941.) 3*s*.*

KOLTHOFF, I. M., and LINGANE, J. J. Half-Wave Potentials of Inorganic Substances. A reprint of the Appendix of "Polarography", by I. M. Kolthoff and J. J. Lingane. Med. 8vo. Pp. xii. (New York : Interscience Publishers, Inc. ; London : H. K. Lewis and Co., Ltd., 1941.) 75 cents.*

McCORMACK, HARRY, Edited by. The Applications of Chemical Engineering. In association with E. W. Comings, J. C. Elgin, W. L. Faith, O. A. Hougen, Joseph H. Koffolt, Harry McCormack, R. A. Ragatz, J. H. Rushton, Henry T. Ward, J. C. Whitrow, Lincoln T. Work. Med. 8vo. Pp. x +431. (London : Chapman and Hall, Ltd., 1940.) 21*s*. net.*

MARTINDALE. The Extra Pharmacopoeia. Twenty-second edition. 2 vols. Cr. 8vo. Vol. 1. Pp. xxxviii + 1289. (London : The Pharmaceutical Press, 1941.) 27*s*. 6*d*.*

MILLARD, E. B. Physical Chemistry for Colleges : a Course of Instruction based upon the Fundamental Laws of Chemistry. (International Chemical Series.) Fifth edition. Med. 8vo. Pp. ix +600. (New York and London : McGraw-Hill Book Co., Inc., 1941.) 26*s*.*

REEDY, J. H. Elementary Qualitative Analysis : for College Students. (International Chemical Series.) Third edition. Demy 8vo. Pp. x +156. (New York and London : McGraw-Hill Book Co., Inc., 1941.) 10*s*. 6*d*.*

Technology

CHALMERS, BRUCE, and QUARRELL, A. G. The Physical Examination of Metals. Vol. 2 : Electrical Methods. Demy 8vo. Pp. viii +280 +8 plates. (London : Edward Arnold and Co., 1941.) 20*s*. net.*

DAVIES, A. C. The Science and Practice of Welding. Cr. 8vo. Pp. viii +436. (Cambridge : At the University Press, 1941.) 10*s*. 6*d*.

EMANUEL, W., and DASH, F. L. The All-in-One Camera Book. Second revised edition. Cr. 8vo. Pp. 180 + 8 plates. (London and New York : The Focal Press, 1941.) 6*s*. net.

INSTITUTION OF THE RUBBER INDUSTRY. Annual Report on the Progress of Rubber Technology. Vol. 4, 1940. Edited by T. J. Drakeley. Pp. vi +159. (Cambridge : W. Heffer and Sons, Ltd., 1941.) 2*s*. 6*d*. net ; to non-Members, 10*s*. 6*d*. net.*

WALL'S Dictionary of Photography : and Reference Book for Amateur and Professional Photographers. Edited by F. J. Mortimer. Sixteenth edition, revised and largely rewritten by A. L. M. Sowerby. Cr. 8vo. Pp. v +701. (London : Iliffe and Sons, Ltd., 1941.) 12*s*. 6*d*. net.*

Meteorology : Geophysics

ALEXANDER, WILLIAM, and ALLAN, W. J. D. The Observer's Book on Meteorology. (The Observer's Books, No. 6.) Fcap. 8vo. Pp. 110. (London : George Allen and Unwin, Ltd., 1941.) 2*s*. 6*d*. net.*

Geology : Mineralogy

TWENHOFEL, W. H., and TYLER, S. A. Methods of Study of Sediments. Med. 8vo. Pp. vii +183. (New York and London : McGraw-Hill Book Co., Inc., 1941.) 14*s*.*

Geography : Travel

BAERLEIN, HENRY. Travels Without a Passport. Demy 8vo. Pp. 197 +12 plates. (London : Frederick Muller, Ltd., 1941.) 8*s*. 6*d*. net.

BENTWICH, NORMAN. Wanderer Between Two Worlds. Demy 8vo. Pp. 358. (London : Kegan Paul and Co., Ltd., 1941.) 12*s*. 6*d*. net.

DIBBERN, GEORGE. Quest. Demy 8vo. Pp. 421. (London : John Lane, The Bodley Head, Ltd., 1941.) 12*s*. 6*d*. net.

FAIRGRIEVE, JAMES. Geography and World Power. Eighth and revised edition. Cr. 8vo. Pp. viii +376. (Bickley, Kent : University of London Press, Ltd., 1941.) 7*s*. 6*d*. net.*

GOERTZ, ARTHEMISE. South of the Border. Demy 8vo. Pp. 336. (London : Jarrolds Publishers (London), Ltd., 1941.) 10*s*. 6*d*. net.

RIESENBERG, FELIX. Cape Horn. Med. 8vo. Pp. 487 +26 plates. (London : Robert Hale, Ltd., 1941.) 18*s*. net.

SMITH, NICOL. Bush Master : Into the Jungles of Dutch Guiana. Demy 8vo. Pp. 320 +23 plates. (London : Victor Gollancz, Ltd., 1941.) 16*s*. net.

SMYTHE, FRANK S. Over Welsh Hills. Demy 4to. Pp. 102 +51 plates. (London : Adam and Charles Black, Ltd., 1941.) 12*s*. 6*d*. net.

DE VALDA, F. W. Adventure is My Business. Demy 8vo. Pp. 256 +8 plates. (London : Herbert Jenkins, Ltd., 1941.) 12*s*. 6*d*. net.

WELLS, CARVETH. North of Singapore. Demy 8vo. Pp. 256. (London : Jarrolds Publishers (London), Ltd., 1941.) 18*s*. net.

WHITBECK, R. H., and FINCH, V. C. Economic Geography : a Regional Survey. (McGraw-Hill Series in Geography.) Fourth edition. Med. 8vo. Pp. xii +647. (New York and London : McGraw-Hill Book Co., Inc., 1941.) 24*s*. 6*d*.*

WILLIAMS, LEIGH. Green Prison : Twenty Years in Thailand. Demy 8vo. Pp. 256 +8 plates. (London : Herbert Jenkins, Ltd., 1941.) 12*s*. 6*d*. net.

General Biology : Natural History
Botany : Zoology

BHATIA, M. L. Hirudinaria (the Indian Cattle Leech). (Indian Zoological Memoirs on Indian Animal Types, 8.) Roy. 8vo. Pp. xi +85. (Lucknow : Lucknow Publishing House, 1941.) 2 rupees.*

CHAPMAN, V. J. An Introduction to the Study of Algae. Demy 8vo. Pp. x+387. (Cambridge: At the University Press, 1941.) 18*s*. net.*

EVENS, G. BRAMWELL. Out with Romany by the Sea. Ex. Cr. 8vo. Pp. 168+8 plates. (Bickley, Kent: University of London Press, Ltd., 1941.) 5*s*. net.*

McCOWAN, DAN. A Naturalist in Canada. Demy 8vo. Pp. xii+284. (New York: The Macmillan Company, 1941.) 15*s*. net.

McLEAN, R. C., and COOK, W. R. IVIMEY. Plant Science Formulae: a Reference Book for Plant Science Laboratories (including Bacteriology.) Demy 8vo. Pp. vii+203. (London: Macmillan and Co., Ltd., 1941.) 7*s*. 6*d*. net.*

PARKER, ERIC. The World of Birds. Cr. 8vo. Pp. 295. (London, New York and Toronto: Longmans, Green and Co., Ltd., 1941.) 8*s*. 6*d*. net.

SANDARS, EDMUND, Written and illustrated by. A Book of Common Insects. Cr. 8vo. Pp. 80+16 plates. (London: Oxford University Press, 1941.) 1*s*. 6*d*. net.

Agriculture: Horticulture: Forestry

CLARKSON, ROSETTA E. Green Enchantment: the Magic Spell of Gardens. Demy 8vo. Pp. xi+328. (New York: The Macmillan Company, 1940.) 12*s*. 6*d*. net.*

FITZGERALD, BRIAN V., Edited by. Programme for Agriculture. Demy 8vo. Pp. 304. (London: Michael Joseph, Ltd., 1941.) 10*s*. 6*d*. net.

SHEWELL-COOPER, W. E. Grow Your Own Food Supply. Seventh edition. Gl. 8vo. Pp. 128. (London: English Universities Press, Ltd., 1941.) 7*d*. net.

Anatomy: Physiology

CARROLL, ROBERT S. What Price Alcohol? A Practical Discussion of the Causes and Treatment of Alcoholism. Demy 8vo. Pp. xv+362. (New York: The Macmillan Company, 1941.) 12*s*. 6*d*. net.*

DRINKER, CECIL KENT, and YOFFEY, JOSEPH MENDEL. Lymphatics, Lymph and Lymphoid Tissue: their Physiological and Clinical Significance. (Harvard University Monographs in Medicine and Public Health, No. 2.) Roy. 8vo. Pp. x+406. (Cambridge, Mass.: Harvard University Press; London: Oxford University Press, 1941.) 4 dollars.*

HIMES, NORMAN E. Happy Marriage. English edition revised by Lella Secor Florence. Demy 8vo. Pp. 368. (London: George Allen and Unwin, Ltd., 1941.) 12*s*. 6*d*. net.*

HUGHES, OSEE. Introductory Foods. Demy 8vo. Pp. vii+522. (New York: The Macmillan Company, 1940.) 12*s*. 6*d*. net.*

SALTER, WILLIAM THOMAS. The Endocrine Function of Iodine. (Harvard University Monographs in Medicine and Public Health, No. 1.) Roy. 8vo. Pp. xviii+351. (Cambridge Mass.: Harvard University Press; London: Oxford University Press, 1941.) 3.50 dollars.*

Anthropology: Archæology

DROWER, E. S. Peacock Angel: Being some Account of Votaries of a Secret Cult and their Sanctuaries. Demy 8vo. Pp. 316. (London: John Murray, 1941.) 10*s*. 6*d*. net.

ROEDIGER, V. M. Ceremonial Costumes of the Pueblo Indians; their Evolution, Fabrication and Significance in the Prayer Drama. 4to. Pp. xviii+254+40 plates. (Chicago: University of Chicago Press; Cambridge: At the University Press, 1941.) 90*s*. net.

VALE, EDMUND. Ancient England: a Review of Monuments and Remains in Public Care and Ownership. Demy 8vo. Pp. vii+152. (London: B. T. Batsford, Ltd., 1941.) 10*s*. 6*d*. net.

Philosophy: Psychology

DALBIEZ, ROLAND. Psychoanalytical Method and the Doctrine of Freud. Demy 8vo. Vol. 1: Exposition. Translated from the French by T. F. Lindsay. Pp. xvi+415. Vol. 2: Discussion. Translated from the French by T. F. Lindsay. Pp. xii+331. (London, New York and Toronto: Longmans, Green and Co., Ltd., 1941.) 40*s*. net.*

WILLS, W. DAVID. The Hawkspur Experiment: an Informal Account of the Training of Wayward Adolescence. Cr. 8vo. Pp. 194. (London: George Allen and Unwin, Ltd., 1941.) 6*s*. net.*

WRIGHT, WILLIAM KELLEY. A History of Modern Philosophy. Ex. Cr. 8vo. Pp. xvi+633. (New York: The Macmillan Company, 1941.) 12*s*. 6*d*. net.

Miscellany

BROWN, F. G. Air Navigation: based on Principles and Methods Applicable also to Sea Navigation. Roy. 8vo. Pp. xviii+374. (London: Chapman and Hall, Ltd.; Sydney: Angus and Robertson, Ltd., 1941.) 32*s*. net.*

CLEGG, HUGH. Wartime Health and Democracy. (Liberty Handbooks, No. 5.) Cr. 8vo. Pp. 64. (London: J. M. Dent and Sons, Ltd., 1941.) 1*s*. net.*

COBBAN, ALFRED. The Crisis of Civilization. Med. 8vo. Pp. 272. (London: Jonathan Cape, Ltd., 1941.) 12*s*. 6*d*. net.*

COOLE, W. W., and POTTER, M. F., Edited by. Thus Spake Germany. Second edition. Demy 8vo. Pp. xl+438+14 plates. (London: George Routledge and Sons, Ltd., 1941.) 10*s*. 6*d*. net.*

CUSHING, HARVEY. The Life of Sir William Osler. Med. 8vo. Pp. xviii+1417+12 plates. (London, New York and Toronto: Oxford University Press, 1940.) 21*s*. net.*

DEWEY, JOHN. Education Today. Edited, and with a Foreword, by Joseph Ratner. Cr. 8vo. Pp. xvi+86. (London: George Allen and Unwin, Ltd., 1941.) 5*s*. net.*

EARNEST, ERNEST. John and William Bartram, Botanists and Explorers; 1699–1777, 1739–1823. Ex. Cr. 8vo. Pp. vii+177+2 plates. (Philadelphia: University of Pennsylvania Press; London: Oxford University Press, 1940.) 12*s*. net.*

ELWELL, F. R., and JONES, F. WHITWAM. New Style Exercises in General Science. Part 1. Cr. 4to. Pp. 64. (London: J. M. Dent and Sons, Ltd., 1941.) 1*s*. 4*d*.*

ESTABROOKS, G. H. Man—the Mechanical Misfit. 8vo. Pp. 251. (New York: The Macmillan Company, 1941.) 10*s*. 6*d*. net.

FAWCETT, C. B. The Bases of a World Commonwealth. Ex. Cr. 8vo. Pp. xi+167. (London: Watts and Co., Ltd., 1941.) 7*s*. 6*d*. net.*

GREENWOOD, W. OSBORNE. Christianity and the Mechanists. Demy 8vo. Pp. 296. (London: Eyre and Spottiswoode (Publishers), Ltd., 1941.) 9*s*. net.*

INFELD, LEOPOLD. Quest: the Evolution of a Scientist. Ex. Cr. 8vo. Pp. 320. (London: Victor Gollancz, Ltd., 1941.) 12*s*. 6*d*. net.

INTERNATIONAL INSTITUTE EXAMINATIONS ENQUIRY. The Marking of English Essays. A Report of an Investigation carried out by a Sub-Committee of the International Institute Examinations Enquiry Committee consisting of Sir Philip Hartog, P. B. Ballard, P. Gurrey, H. R. Hamley and C. Ebblewhite Smith; with a Statistical Report by C. Ebblewhite Smith. Med. 8vo. Pp. xv+165. (London: Macmillan and Co., Ltd., 1941.) 3*s*. 6*d*. net.*

LANGDON-BROWN, SIR WALTER. From Witchcraft to Chemotherapy. (Linacre Lecture 1941.) Cr. 8vo. Pp. 60. (Cambridge: At the University Press, 1941.) 2*s*. net.

METCALF, HENRY C., and URWICK, L., Edited by. Dynamic Administration: the Collected Papers of Mary Parker Follett. Demy 8vo. Pp. 320. (London: Management Publications Trust, Ltd., 1941.)*

STOPES, MARIE C. Oriri. Cr. 8vo. Pp. ix+27. (London and Toronto: William Heinemann, Ltd., 1940.) 3*s*. 6*d*.*

WILSON, S. E. Decimal Hoppus Tables: showing the Solid Contents of Round Timber in Hoppus Feet and Decimals. Fcap. Long 8vo. Pp. 60. (London: Scientific Computing Service, Ltd., 1941.) 6*s*.*

Write to :

HEFFER'S BOOKSHOP

for all books on Scientific and Technical subjects, and indeed for books in every field of learning. Classified Catalogues and special Scientific Supplements are still issued (at least as far as paper control regulations allow !) and will be sent free on request.

W. HEFFER & SONS, LTD.
BOOKSELLERS CAMBRIDGE, ENGLAND

NEW MODEL
of the
"UTILEX"
COLORIMETER

Entirely redesigned and incorporating many improvements, making it exceptionally efficient and convenient in use

Write for explanatory leaflet to

JAMES SWIFT & SON, LTD.
81 TOTTENHAM COURT RD., LONDON, W.1

Owing to War conditions delivery as available

LARGE DEPT. FOR BOOKS ON SCIENCE

FOYLES

BOOKSELLERS TO THE WORLD

New and secondhand Books on every subject
Stock of nearly 3 million volumes

JOIN THE SCIENTIFIC BOOK CLUB! Members buy outstanding Scientific Books (published at 7/6, 10/6 & 12/6) for ONLY 2/6

113-125 Charing Cross Rd., London, W.C.2

Telephone : Gerrard 5660 (16 lines)

MICROSCOPICAL PREPARATIONS

Many thousands of Slides in stock in all branches, Botany, Zoology, Textile Fibres, Parasites, Embryology, etc.

Interim list of new preparations, post free

STAINS, REAGENTS, MOUNTING MEDIA, EMBEDDING WAX, &c.
Available in reasonable quantities

FLATTERS & GARNETT LTD.
309 Oxford Road Manchester, 13

Our RARE BOOK DEPARTMENT is the LARGEST Stockist of complete Sets, Runs and separate Volumes of

SCIENTIFIC PERIODICALS, ACADEMICAL AND LEARNED SOCIETY PUBLICATIONS
(English and Foreign)

WE INVITE OFFERS OF THESE, FOR WHICH WE ARE PREPARED TO PAY THE HIGHEST COMPETITIVE PRICES

COMPLETE LIBRARIES PURCHASED

EARLY SCIENTIFIC WORKS AND BOOKS ON THE HISTORY OF SCIENCE WANTED

CATALOGUES ISSUED

WM. DAWSON & SONS LTD.
Cannon House, Pilgrim Street - - LONDON, E.C.4
Tel. : CITY 3781 (6 lines)

Otis King's

POCKET CALCULATOR
22/6

"Invaluable . . . and a real time saver"
says one user

The Otis King has the calculating possibilities of a 66 in. Slide Rule, but closes up to fit the pocket.

Write for free descriptive pamphlet

CARBIC LIMITED
(Dept. N)
137, Conway Road, Southgate,
LONDON, N.14

Meteorological Instruments

MERCURIAL BAROMETERS
THERMOMETERS
THERMOGRAPHS
HYGROGRAPHS

Supplied by Laboratory furnishers, Scientific Instrument dealers, etc.

F. DARTON & COMPANY LTD.
56-58 CLERKENWELL ROAD, LONDON, E.C.1

SECOND-HAND
MICROSCOPES

by
SWIFT, BECK, WATSON, BAKER, ZEISS, LEITZ, REICHERT, HIMMLER, BAUSCH & LOMB, etc.

MICROSCOPES BOUGHT for CASH OR TAKEN IN EXCHANGE

A limited selection available. State requirements.

CLARKSON'S, 338 High Holborn, LONDON, W.C.1
Opp. Gray's Inn Rd. Phone : HOLborn 2149. Estab. over a Century

FIELD GEOLOGY

By FREDERICK H. LAHEE

Chief Geologist of the Sun Oil Company, Formerly Assistant Professor of Geology, Massachusetts Institute of Technology

853 pages. 7½ x 5. 594 illustrations. Fourth edition. 35s. net

A STANDARD and widely-used manual of geological exploration and mapping, combining both text-book and reference features, especially suitable for petroleum and mining geologists and engineers. Present methods and keys for the recognition and interpretation of land forms and structures, and explains fully how to take and record data in the field, make and interpret maps, etc. Fully revised in line with advances in geological research and practice, with valuable new material on mass movement, flow structures and fracture systems in igneous rocks, directional drilling, use of gamma-rays in subsurface correlation, and electrical logging.

CONTENTS

Preface to the Fourth Edition
Preface to the First Edition
1. Introduction
2. Features Seen on the Surfaces of Rocks
3. Rock Particles and Fragments
4. Original Surface Features of Sediments
5. Original Structures and Structural Relations of Sedimentary Rocks
6. Field Relations of Igneous Rocks
7. Tilted and Folded Strata
8. Fractures and Fracture Structures
9. Metamorphic Rocks
10. Mineral Deposits
11. Topographic Forms
12. Topographic Expression
13. Topographic Maps and Profile Sections
14. Geologic Surveying. General Observations
15. Geologic Surveying. Instruments and Other Equipment Used in Geologic Field Mapping
16. Geologic Surveying. Instrumental Methods in Field Mapping
17. Geologic Surveying. Airplane Mapping
18. Subsurface Geologic Surveying
19. Modes of Geologic Illustration
20. Interpretation of Geologic Maps
21. Geologic Computations
22. Preparation of Geologic Reports
23. Geophysical Surveying
Appendix of useful tables
Bibliography
Index

McGraw-Hill Publishing Co. Ltd., Aldwych House, London, W.C.2

SEVERAL GOOD SPECTROSCOPES

Hilger Spectrometer	£20	0	0
Table Spectroscope	£8	15	0
Table Spectroscope by F. E. Becker	£8	8	0
Browning Spectroscope	£4	4	0
Pocket Spectroscope	£1	5	0

MICROSCOPES WANTED FOR CASH

Note name and address:

BROADHURST, CLARKSON & CO. LTD.
63 Farringdon ROAD, London, E.C.1
(3 minutes from Farringdon Street Metro. Station)

JAMES
SWIFT
& SON LTD.

Manufacturers of
MICROSCOPES for
BIOLOGY, MINERALOGY, METALLURGY, PHOTOMICROGRAPHIC & PROJECTION APPARATUS, GONIOMETERS, REFRACTOMETERS, SPECTROMETERS, OPTICAL MEASURING & TESTING APPARATUS, POLARISING PRISMS & OPTICAL ELEMENTS

REPAIRS TO ANY MAKE OF ABOVE INSTRUMENTS

Owing to prevailing conditions delivery cannot always be guaranteed

81 Tottenham Court Road
London, W.1

Now Available

KAYE AND LABY'S

TABLES OF PHYSICAL AND CHEMICAL CONSTANTS

9th Edition
Revised and Brought Up-to-date

18/- net

LONGMANS

RECENT SCIENTIFIC AND TECHNICAL BOOKS

Volumes marked with an asterisk (*) have been received at NATURE *Office*

Mathematics : Mechanics : Physics

FISHER, R. A. Statistical Methods for Research Workers. (Biological Monographs and Manuals.) Eighth edition, revised and enlarged. Demy 8vo. Pp. xv +344. (Edinburgh and London: Oliver and Boyd, 1941.) 16*s*. net.*

HILL, T. H. WARD. Practical Mathematics for the A.T.C. Demy 8vo. Pp. 112. (London, Bombay and Sydney: George G. Harrap and Co., Ltd., 1941.) 3*s*. 6*d*.

SMITH, R. C. Simple Mathematics: a Revision Course for R.A.F. Selection Board Candidates and Others. Cr. 8vo. Pp. 54. (Cambridge: At the University Press, 1941.) 1*s*. 6*d*.

Engineering

LEWIS, E. J. G. Radio Receiver Servicing and Maintenance. Third edition. Cr. 8vo. Pp. 253. (London: Sir Isaac Pitman and Sons, Ltd., 1941.) 8*s*. 6*d*. net.

MONK, S. GORDON. Classified Examples in Electrical Engineering. Fifth edition. Cr. 8vo. Vol. 2. Pp. 169. (London: Sir Isaac Pitman and Sons, Ltd., 1941.) 5*s*. net.

PICKELS, G. W. Drainage and Flood Control Engineering. Second edition. Med. 8vo. Pp. 476. (New York and London: McGraw-Hill Book Co., Inc., 1941.) 28*s*.

ROGET, S. R. A Dictionary of Electrical Terms. Fourth edition. Cr. 8vo. Pp. 432. (London: Sir Isaac Pitman and Sons, Ltd., 1941.) 12*s*. 6*d*. net.

SLOANE, ALVIN. Engineering Kinematics. Med. 8vo. Pp. xi +310. (New York: The Macmillan Company, 1941.) 17*s*. net.*

URQUHART, L. C., and O'ROURKE, C. E. Elementary Structural Engineering. Med. 8vo. Pp. 348. (New York and London: McGraw-Hill Book Co., Inc., 1941.) 21*s*.

Chemistry : Chemical Industry

FINDLAY, ALEXANDER. Practical Physical Chemistry. Seventh edition, revised and enlarged. Demy 8vo. Pp. x +335. (London, New York and Toronto: Longmans, Green and Co., Ltd., 1941.) 12*s*. 6*d*. net.*

PALMER, W. G. Experimental Physical Chemistry. Demy 8vo. Pp. xii +322. (Cambridge: At the University Press, 1941.) 12*s*. 6*d*. net.*

THORPE, (the late) SIR JOCELYN, and WHITELEY, M.A. Thorpe's Dictionary of Applied Chemistry. Fourth edition, revised and enlarged. Med. 8vo. Vol. 5: Feh–Glass. Pp. xxiv +610. 70*s*. net. An Abridged Index to Volumes 1–5 of the new edition. Med. 8vo. Pp. 20. 3*s*. net. (London, New York and Toronto: Longmans, Green and Co., Ltd., 1941.)*

WATSON, H. B. Modern Theories of Organic Chemistry. Second edition. Med. 8vo. Pp. viii +268. (Oxford: Clarendon Press; London: Oxford University Press, 1941.) 17*s*. 6*d*. net.*

WELCH, A. J. E. Intermediate Quantitative Analysis. Cr. 8vo. Pp. iv +128. (London: University Tutorial Press, Ltd., 1941.) 3*s*. 6*d*.*

Technology

FRERK, F. W. All About Improving Negatives. (New Photo Guides, No. 10.) Second edition. Fcap. 8vo. Pp. 56. (London and New York: The Focal Press, Ltd., 1941.) 1*s*. 6*d*. net.

MERRYWEATHER, A. All About Tracing Troubles. (New Photo Guides, No. 12.) Fcap. 8vo. Pp. 56. (London and New York: The Focal Press, Ltd., 1941.) 1*s*. 6*d*. net.

WADENOYEN, HUGO VAN. All About Daylight Indoors. (New Photo Guides, No. 9.) Second edition. Fcap. 8vo. Pp. 56. (London and New York: The Focal Press, Ltd., 1941.) 1*s*. 6*d*. net.

Astronomy

SMART, W. M. Sea and Air Navigation: being the Halley Lecture delivered on 3 June 1941. Cr. 8vo. Pp. 48. (London: Oxford University Press, 1941.) 2*s*. net.*

Geography : Travel

CARLSON, WILLIAM S. Greenland Lies North. 8vo. Pp. 306. (New York: The Macmillan Company, 1941.) 12*s*. 6*d*. net.

HOMER, JOY. Dawn Watch in China. Demy 8vo. Pp. 288. (London and Glasgow: Wm. Collins, Sons and Co., Ltd., 1941.) 12*s*. 6*d*. net.

MEE, ARTHUR, Edited by. Suffolk, Our Farthest East. (The King's England: a New Domesday Book of 10,000 Towns and Villages.) Ex. Cr. 8vo. Pp. 464. (Bickley: Hodder and Stoughton, Ltd., 1941.) 10*s*. 6*d*. net.

SMYTHE, FRANK S. The Mountain Vision. Demy 8vo. Pp. 320. (Bickley: Hodder and Stoughton, Ltd., 1941.) 18*s*. net.

WILLIAMS, H. Crater Lake: the Story of Its Origin. 8vo. Pp. xxii +100 +10 plates. (Berkeley, Calif.: University of California Press; London: Cambridge University Press, 1941.) 10*s*. 6*d*. net.

General Biology : Natural History Botany : Zoology

McCOWAN, DAN. A Naturalist in Canada. Demy 8vo. Pp. xii +284 +20 plates. (Toronto: The Macmillan Company of Canada, Ltd., 1941.) 15*s*. net.*

MACINTYRE, DUGALD. Highland Gamekeeper. Demy 8vo. Pp. 246 +8 plates. (London: Seeley, Service and Co., Ltd., 1941.) 12*s*. 6*d*. net.*

WITHERBY, H. F. (Editor), JOURDAIN, Rev. F. C. R., TICEHURST, NORMAN F., and TUCKER, BERNARD W. The Handbook of British Birds. Vol. 5 (Terns to Game-Birds) (Additions and Corrections) (Systematic List and Indices). Med. 8vo. Pp. xii +356 + 22 plates. (London: H. F. and G. Witherby, Ltd., 1941.) 25*s*. net; complete in 5 vols., 105*s*. net.*

Agriculture : Horticulture : Forestry

BAVER, L. D. Soil Physics. Med. 8vo. Pp. xi +370. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1940.) 24*s*. net.*

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH: FOREST PRODUCTS RESEARCH. A Handbook of Home-Grown Timbers. (War emergency edition.) Roy. 8vo. Pp. iv +68. (London: H.M. Stationery Office, 1941.) 1*s*. 6*d*. net.*

DONALDSON, FRANCES. Approach to Farming. Cr. 8vo. Pp. 228. (London: Faber and Faber, Ltd., 1941.) 7*s*. 6*d*. net.

GOURLEY, JOSEPH HARVEY, and HOWLETT, FREEMAN SMITH. Modern Fruit Production. (Rural Textbook Series.) Med. 8vo. Pp. vii +579. (New York: The Macmillan Company, 1941.) 18*s*. net.*

HALL, SIR A. DANIEL. Reconstruction and the Land: an Approach to Farming in the National Interest. Demy 8vo. Pp. xi +287. (London: Macmillan and Co., Ltd., 1941.) 12*s*. 6*d*. net.*

Anatomy : Physiology

BARBER, HAROLD HAYDEN. Physiology for Pharmaceutical Students. Second edition. Demy 8vo. Pp. x +526. (London: Baillière, Tindall and Cox, 1941.) 15*s*.*

GROLLMAN, ARTHUR. Essentials of Endocrinology. Med. 8vo. Pp. 480. (Philadelphia and London: J. B. Lippincott Co., 1941.) 36*s*. net.

Anthropology: Archæology

HALLOCK, R. T. The Chicago Syllabary and the Louvre Syllabary AO 7661. (Oriental Institute Assyriological Studies, No. 7.) 4to. Pp. xiv +80 +10 plates. (Chicago: University of Chicago Press; London: Cambridge University Press, 1941.) 24*s*. net.

Philosophy: Psychology

BRADLEY, CHARLES. Schizophrenia in Childhood. Ex. Cr. 8vo. Pp. ix +152. (New York: The Macmillan Company, 1941.) 10*s*. 6*d*. net.

DEVINE, GEORGE. The Psychology of Everyman. (Booklover's Library.) Cr, 8vo. Pp. 319. (London: Hutchinson and Co. (Publishers), Ltd., 1941.) 2*s*. 6*d*. net.

HARDING, D. W. The Impulse to Dominate. Cr. 8vo. Pp. 256. (London: George Allen and Unwin, Ltd., 1941.) 7*s*. 6*d*. net.*

HART, HORNELL. New Gateways to Creative Living. Ex. Cr. 8vo. Pp. 197. (Nashville, Tenn., and New York: The Abingdon-Cokesbury Press, 1941.) 1.75 dollars.*

JACKSON, REGINALD. An Examination of the Deductive Logic of John Stuart Mill. Demy 8vo. Pp. 193. (London: Oxford University Press, 1941.) 10*s*. 6*d*. net.

NEWMAN, K. O. Mind, Sex and War: Blackouts, Fear of Air-Raids, Propaganda. Cr. 8vo. Pp. 82. (Oxford: The Pelagos Press, 1941.) 3*s*. 6*d*. net.*

PLATO. On the Trial and Death of Socrates: Euthyphro, Apology, Crito, Phædo. Translated into English, with an Introduction and Prefatory Notes, by Lane Cooper. Med. 8vo. Pp. 214. (Ithaca, N.Y.: Cornell University Press; London: Oxford University Press, 1941.) 12*s*. net.

REISER, OLIVER L. The Promise of Scientific Humanism Toward a Unification of Scientific, Religious, Social and Economic Thought. Med. 8vo. Pp. xviii +364. (New York: Oscar Piest, 1940.) 4 dollars.*

SALTER, MARY D. An Evaluation of Adjustment based upon the Concept of Security. (University of Toronto Studies: Child Development Series, No. 18.) Med. 8vo. Pp. 72. (Toronto: University of Toronto Press; London: Oxford University Press, 1940.) 3*s*. net.*

SKINNER, CHARLES E., and HARRIMAN, PHILIP LAWRENCE, Editors. Child Psychology: Child Development and Modern Education. With the collaboration of Amy F. Arey, Lawrence Augustus Averill, Lorin E. Bixler, Elden A. Bond, John W. Charles, Lester D. Crow, Raleigh M. Drake, Clyde Hissong, Clarence E. Ragsdale, Gladys Risden, J. J. Smith, Brian E. Tomlinson. Demy 8vo. Pp. xii +522. (New York: The Macmillan Company, 1941.) 12*s*. 6*d*. net.*

Bacteriology: Hygiene

CAMPBELL, DAME JANET, and VERNON, H. M. National Health Services for Preventive Methods for Improving National Health. Demy 8vo. Pp. 46. (London: British Association for Labour Legislation, 1941.) 9*d*.*

Miscellany

BALBUS. Reconstruction and Peace: Needs and Opportunities. (The Democratic Order, No. 10.) Cr. 8vo. Pp. 64. (London: Kegan Paul and Co., Ltd., 1941.) 1*s*. net.*

BROGAN, D. W. American Foreign Policy. (Oxford Pamphlets on World Affairs, No. 50.) Cr. 8vo. Pp. 32. (Oxford: Clarendon Press; London: Oxford University Press, 1941.) 4*d*. net.*

BUROS, OSCAR KRISEN, Edited by. The Second Yearbook of Research and Statistical Methodology: Books and Reviews. Imp. 8vo. Pp. xxi +383. (Highland Park, N.J.: The Gryphon Press, 1941.) 5 dollars.*

COHEN, EMMELINE W. The Growth of the British Civil Service, 1780–1939. Demy 8vo. Pp. 222. (London: George Allen and Unwin, Ltd., 1941.) 10*s*. 6*d*. net.*

DALE, H. E. The Higher Civil Service of Great Britain. Demy 8vo. Pp. xiv +232. (London: Oxford University Press, 1941.) 10*s*. net.*

DANIEL, F. General Science: for Colonial Schools. Book 3. Imp. 16mo. Pp. x +296. (London: Oxford University Press, 1941.) 4*s*.*

DOBB, MAURICE. Soviet Economy and the War. Cr. 8vo. Pp. v +88. (London: George Routledge and Sons, Ltd., 1941.) 3*s*. net.*

DRAKE, BARBARA. Education for Democracy. Demy 8vo. Pp. 44. (London: British Association for Labour Legislation, 1941.) 9*d*.*

DUTCH, OSWALD. Economic Peace Aims: a Basis for Discussion. Demy 8vo. Pp. 280. (London: Edward Arnold and Co., 1941.) 12*s*. 6*d*. net.*

EINZIG, PAUL. Appeasement Before, During and After the War. Demy 8vo. Pp. xii +216. (London: Macmillan and Co., Ltd., 1941.) 10*s*. 6*d*. net.*

GARNETT, DAVID. War in the Air, September 1939 to May 1941. Demy 8vo. Pp. x +200 +8 plates. (London: Chatto and Windus, 1941.) 7*s*. 6*d*. net.*

GATHORNE-HARDY, G. M. Norway and the War. (Oxford Pamphlets on World Affairs, No. 51.) Cr. 8vo. Pp. 32. (Oxford: Clarendon Press; London: Oxford University Press, 1941.) 4*d*. net.*

GODE-VON AESCH, ALEXANDER. Natural Science in German Romanticism. Med. 8vo. Pp. xiii +302. (New York: Columbia University Press; London: Oxford University Press, 1941.) 20*s*. net.*

GREGORY, SIR RICHARD. British Scientists. (Britain in Pictures Series.) Fcap. 4to. Pp. 48 +12 plates. (London and Glasgow: Wm. Collins, Sons and Co., Ltd., 1941.) 3*s*. 6*d*.*

HALDANE, J. B. S. Science in Peace and War. Cr. 8vo. Pp. 229. (London: The Scientific Book Club, 1941.) 2*s*. 6*d*.*

HALDANE, J. B. S. Science and Everyday Life. (Pelican Books, A.88.) Gl. 8vo. Pp. 192. (Harmondsworth and New York: Penguin Books (Allen Lane), Ltd., 1941.) 6*d*. net.*

HODEN, MARCEL. A Diary of World Affairs (June 23, 1940–April 5th, 1941). Translated from the French by Mabel Hauck. (Penguin Special, S.98.) Gl. 8vo. Pp. 128. (Harmondsworth and New York: Penguin Books (Allen Lane), Ltd., 1941.) 6*d*. net.*

LEHMANN, JOHN, Edited by. The Penguin New Writing, No. 9. Gl. 8vo. Pp. 127. (Harmondsworth and New York: Penguin Books (Allen Lane), Ltd., 1941.) 6*d*. net.*

LÉVY, LOUIS. Vérités sur la France. (Édition Pingouin, F.l.) Gl. 8vo. Pp. 192. (Harmondsworth and New York: Penguin Books (Allen Lane), Ltd., 1941.) 6*d*. net*.

MARSH, NGAIO. Artists in Crime. (Penguin Books, No. 353). Gl. 8vo. Pp. 224. (Harmondsworth and New York: Penguin Books (Allen Lane), Ltd., 1941.) 6*d*. net.*

OSBORN, T. W. G. Remedies for Poverty and Malnutrition in South Africa. Evidence given to the Industrial and Agricultural Requirements Commission. Demy 4to. Pp. iii +22. (Johannesburg: Central News Agency, Ltd., 1941.) 2*s*. 6*d*.*

PENTAD. The Remaking of Italy. (Penguin Special, S.97.) Gl. 8vo. Pp. 288. (Harmondsworth and New York: Penguin Books (Allen Lane), Ltd., 1941.) 6*d*. net.*

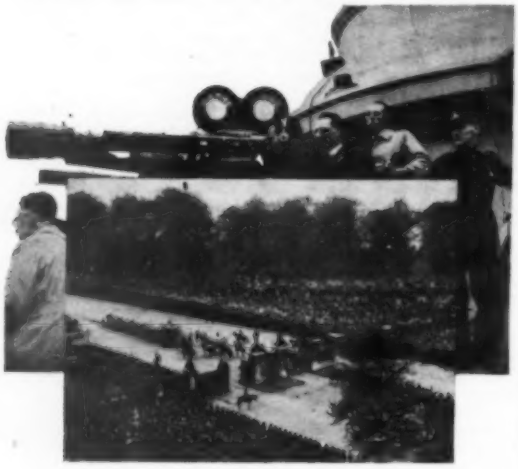
ROSEN, S. MCKEE, and ROSEN, LAURA. Technology and Society: the Influence of Machines in the United States. Demy 8vo. Pp. xiv +474. (New York: The Macmillan Company, 1941.) 12*s*. 6*d*. net.*

UNIVERSITIES OF THE EMPIRE. Supplement to the Yearbook of the Universities of the Empire, 1940. (Published for the Universities Bureau of the British Empire.) Cr. 8vo. Pp. xxxi +255. (London: G. Bell and Sons, Ltd., 1941.) 3*s*. 6*d*. net.*

WARD, C. A. Those Raw Materials: an Introduction to the Study of Raw Materials. Demy 8vo. Pp. 392. (London: George Allen and Unwin, Ltd., 1941.) 15*s*. net.*

WASSEY, MICHAEL. Ordeal by Fire: the Story and Lesson of Fire over Britain and the Battle of the Flames. Cr. 8vo. Pp. 192 +12 plates. (London: Martin Secker and Warburg, Ltd., 1941.) 7*s*. 6*d*. net.*

WOOTTON, BARBARA. End Social Inequality: a Programme for Ordinary People. (The Democratic Order, No. 16.) Cr. 8vo. Pp. 63. (London: Kegan Paul and Co., Ltd., 1941.) 1*s*. net.*



BRITISH IS STILL BEST

The largest Telephoto lens ever used for Cinematography was made by us for the 1937 Coronation. A masterpiece of lens making, it showed the world that Britain still leads in creative optical design.

It is this originality which finds expression in all the "Taylor-Hobson" optical and mechanical products now so widely used in Photography, Science and Industry.

TAYLOR-HOBSON

PROFILE PROJECTORS • ELECTROLIMIT GAUGES
ALIGNMENT TELESCOPES • ENGRAVING MACHINES
JAVELIN ETCHERS • COOKE LENSES AND PRISMS

TAYLOR, TAYLOR & HOBSON LTD., LEICESTER & LONDON

Pickfords 2220

MACMILLAN'S NEW BOOKS

Greenland Lies North

WILLIAM S. CARLSON

A few years ago the author and a young friend were the only white men to remain at a frozen outpost in northern Greenland with the natives through the long near-Arctic winter. This is an account of the life there which they came to know so intimately. The author describes ways of living; food; conventions; language; and the country itself. 12*s.* 6*d. net.*

Wild Life Conservation

IRA N. GABRIELSON
Director of the Fish and Wild Life Service, U.S. Department of the Interior

In simple, authoritative, and eloquent language the author explains the interrelationships of wild life, water, the soil, the forests, and the grasslands. The reader will find answers to many questions: What happened to the tremendous original population of birds, beasts, and fish in America? Were they killed off by white men, or were there other destructive factors at work? 15*s. net.*

Calculations of Qualitative Analysis

Prof. LOUIS J. CURTMAN and SYLVAN M. EDMONDS
College of the City of New York

The object of this book is to provide a thoroughly modern treatment of the calculations encountered in the theory and practice of qualitative analysis. Each principle is clearly outlined and its applications fully explained by appropriate examples before a fairly long list of problems is assigned. 8*s.* 6*d. net.*

Bacillary and Rickettsial Infections:

Black Death to White Plague

Dr. WILLIAM H. HOLMES
Professor of Medicine, Northwestern University

The author combines history, thought, and modern diagnosis so as to give full significance to the medical facts in use to-day, in an introduction to internal medicine that is fascinating and practical. 25*s. net.*

MACMILLAN & Co. Ltd.
St. Martin's St., London, W.C.2

BOOKS

NEW SCIENTIFIC BOOKS

The large stock of English and Foreign Scientific books is arranged for easy inspection.
Classified Lists post free on request.

All usual Services are available.

SCIENTIFIC LENDING LIBRARY

The Library lends books on the Pure, Applied and Medical Sciences *Annual Subscription, Town or Country,* from *One Guinea.*
Prospectus post free on application.

SECOND-HAND SCIENTIFIC BOOKS

Larger stock of *recent editions* of Medical and Scientific books offered at reduced prices. EARLY MEDICAL and SCIENTIFIC books available. *Address:* 140 GOWER STREET.

STATIONERY

for the Student and Research Worker. Drawing Instruments, Slide Rules, Logarithmic and Squared Papers. Microscope Slides, Cover Slips and Boxes.

H. K. LEWIS & Co. Ltd.
136 GOWER STREET, LONDON, W.C.1
Telephone: EUSton 4282 (5 lines)

Introduction to METEOROLOGY

By SVERRE PETTERSSEN,
Professor of Meteorology
Massachusetts Institute of Technology

236 pages, 9 × 6, 141 illustrations, 17/6 net

THIS book discusses in an elementary manner the basic principles of meteorology. The treatment is designed for the student without previous acquaintance with the subject, and deals with the principles underlying modern methods of weather analysis and forecasting and shows the application of these principles in actual practice.

Contents

Introduction
Preface
The Atmosphere
Observations and Instruments
Evaporation, Condensation, and Precipitation
Adiabatic Temperature Changes
Stability and Instability
Temperature Variations and Their Relations to the Weather Phenomena
Wind Systems
Air Masses
Fronts
Cyclones and Anticyclones
Weather Analysis
Weather Forecasting
Examples of Weather Maps
Climate
History
Recommended Text-books
Conversion Tables
Index

McGraw-Hill Publishing Co. Ltd.
Aldwych House, London, W.C.2

"QUICKFIT" WATER ESTIMATION APPARATUS

The introduction of interchangeable ground glass joints to Dean & Stark apparatus has proved so popular that they have been standardized by British Standard Specification No. 756-1939, superseding B.S.S. 614-1936.

Ground glass joints not only ensure greater accuracy and cleanliness, but also reduce operating time and eliminate rubber bungs — economies which are often under-estimated.

A fully illustrated price list (Supplement No. 2) will gladly be sent on request.

QUICKFIT
LABORATORY GLASSWARE WITH STANDARD INTERCHANGEABLE GROUND GLASS JOINTS

QUICKFIT & QUARTZ LTD
TRIPLEX WORKS,
KING'S NORTON, BIRMINGHAM
London Office:
1 Albemarle Street, London, W.1
'Phone: Regent 8171

RECENT SCIENTIFIC AND TECHNICAL BOOKS

Volumes marked with an asterisk (*) have been received at NATURE *Office*

Mathematics : Mechanics : Physics

ABBOTT, P. Teach Yourself Mechanics. (Teach Yourself Series.) Cr. 8vo. Pp. 172. (Bickley : English Universities Press, Ltd., 1941.) 2*s*. 6*d*. net.

BROWNELL, W. A. Arithmetic in Grades I and II. (Research Studies in Education.) 8vo. Pp. xii +176. (Durham, N.C. : Duke University Press ; London : Cambridge University Press, 1941.) 9*s*. net.

CARSLAW, H. S., and JAEGER, J. C. Operational Methods in Applied Mathematics. Demy 8vo. Pp. xvi + 264. (Oxford : Clarendon Press ; London : Oxford University Press, 1941.) 17*s*. 6*d*. net.*

CHAMPION, F. C. University Physics. Med. 8vo. Part 3 : Light. Pp. vii +172. 5*s*. 6*d*. net. Part 4 : Wave-Motion and Sound. Pp. vii +67. 5*s*. net. (London, Glasgow and Bombay : Blackie and Son, Ltd., 1941.)*

CLARK, C. C., JOHNSON, C. A., and COCKADAY, LT.-COMDR. L. M. This Physical World : a College Course in Science. Med. 8vo. Pp. x +528. (New York and London : McGraw-Hill Book Co., Inc., 1941.) 22*s*. 6*d*.*

DIWAN, G. S., and AGASHE, D. S. Differential Equations. Demy 8vo. Pp. x +316. (Bombay : D. S. Agashe, St. Xavier's College, 1941.)*

DWIGHT, HERBERT B. Mathematical Tables of Elementary and some Higher Mathematical Functions, including Trigonometric Functions of Decimals of Degrees and Logarithms. Med. 8vo. Pp. 229. (New York and London : McGraw Hill Book Co., Inc., 1941.) 17*s*. 6*d*.

GREEN, S. L. Algebraic Solid Geometry : an Introduction. Cr. 8vo. Pp. vii +133. (Cambridge : At the University Press, 1941.) 6*s*. net.*

KAYE, G. W. C., and LABY, T. H. Tables of Physical and Chemical Constants : and some Mathematical Functions. Ninth edition. Roy. 8vo. Pp. vii +181. (London, New York and Toronto : Longmans, Green and Co., Ltd., 1941.) 18*s*. net.*

Engineering

BASSETT-LOWKE, W. J., and COURTNEY, F. E. A Book of Trains. (Puffin Picture Books, No. 10.) Oblong Gl. 4to. Pp. 32. (Harmondsworth and New York : Penguin Books (Allen Lane), Ltd., 1941.) 6*d*.*

COULTHARD, W. B. Transients in Electric Circuits. Demy 8vo. Pp. 200. (London : Sir Isaac Pitman and Sons, Ltd., 1941.) 25*s*. net.

GRUBB, E. D. Simple Hydraulics for Firemen. Cr. 8vo. Pp. 48. (Bristol and London : J. W. Arrowsmith, Ltd., 1941.) 1*s*. 6*d*.

HAZELL, W. Understanding Aero Engines by Question and Answer. Cr. 8vo. Pp. 160. (Bickley : English Universities Press, Ltd., 1941.) 2*s*. 6*d*. net.

KRYNINE, DIMITRI P. Soil Mechanics : its Principles and Structural Applications. Med. 8vo. Pp. x +451. (New York and London : McGraw-Hill Book Co., Inc., 1941.) 35*s*.*

MITCHELL, G. ERIC. Modern Sanitary Engineering. Med. 8vo. Pp. 172. (London : George Newnes, Ltd., 1941.) 12*s*. 6*d*. net.

PULL, E. Engineering Workshop Manual. Ninth revised and enlarged edition. Fcap. 8vo. Pp. 298. (Chalfont St. Peter : The Technical Press, Ltd., 1941.) 5*s*. net.

ROSSLYN, J. Electric Relays. (Electrical Engineering Series.) Cr. 8vo. Pp. vii +184. (London : George Newnes, Ltd., 1941.) 7*s*. 6*d*. net.

STEPHENSON, G. O. Fire Engineering Hydraulics. (London and Manchester : Emmott and Co., Ltd., 1941.) 1*s*.

STUBBINGS, G. W. Transformers : being a Simple, Non-Mathematical Account of the Theory, Operation, Installation and Applications of the Static Transformer, for Students and Engineers engaged on Distribution and Sub-Station Erection, Operation and Maintenance. Demy 8vo. Pp. vii +255. (London : E. and F. N. Spon, Ltd. ; New York : The Chemical Publishing Co., Inc., 1941.) 12*s*. net.*

WHITE, L., and PRENTIS, E. A. Cofferdams. Med. 8vo. Pp. 297. (New York : Columbia University Press ; London : Oxford University Press, 1941.) 50*s*. net.

WILKINSON, PAUL H. Aircraft Diesels. Med. 8vo. Pp. 275. (London : Sir Isaac Pitman and Sons, Ltd., 1941.) 30*s*. net.

WITTS, ALFRED T. Thermionic Valves in Modern Radio Receivers. Cr. 8vo. Pp. 218. (London : Sir Isaac Pitman and Sons, Ltd., 1941.) 10*s*. 6*d*. net.

Chemistry : Chemical Industry

BELL, R. P. Acid-Base Catalysis. Demy 8vo. Pp. viii +212. (Oxford : Clarendon Press ; London : Oxford University Press, 1941.) 12*s*. 6*d*. net.*

WACHTEL, CURT. Chemical Warfare. Demy 8vo. Pp. ix +312. (London : Chapman and Hall, Ltd., 1941.) 24*s*. net.*

WOODMAN, A. G. Food Analysis : Typical Methods and the Interpretation of Results. (International Chemical Series.) Fourth edition. Med. 8vo. Pp. xii +607. (New York and London : McGraw-Hill Book Co., Inc., 1941.) 28*s*.*

Geology : Mineralogy

COTTON, C. A. Landscape : as Developed by the Processes of Normal Erosion. Demy 8vo. Pp. xviii + 302 +45 plates. (Cambridge : At the University Press, 1941.) 21*s*. net.*

LAHEE, FREDERIC H. Field Geology. Fourth edition, revised and enlarged. Cr. 8vo. Pp. xxxii +853. (New York and London : McGraw-Hill Book Co., Inc., 1941.) 35*s*.*

LAKE and RASTALL'S Textbook of Geology. Revised by R. H. Rastall. Fifth edition. Demy 8vo. Pp. viii +491 +32 plates. (London : Edward Arnold and Co., Ltd., 1941.) 25*s*. net.*

LEVORSEN, A. I., Edited by. Possible Future Oil Provinces of the United States and Canada. A Symposium conducted by the Research Committee of the American Association of Petroleum Geologists, A. I Levorsen, Chairman. Papers read at the Twenty-Sixth Annual Meeting of the Association, at Houston, Texas, April 1, 1941, and published in the Association Bulletin, August 1941. Med. 8vo. Pp. vi +154. (Tulsa, Okla. : American Association of Petroleum Geologists, 1941.) 1.50 dollars.*

General Biology : Natural History Botany : Zoology

BRITISH MUSEUM (NATURAL HISTORY). The John Murray Expedition, 1933–34. Scientific Reports, Vol. 7, No. 4 : Sipunculids and Echiurids of the John Murray Expedition to the Red Sea and Indian Ocean, 1933–34. By A. C. Stephen. Roy. 4to. Pp. 401–412 +2 plates. (London : British Museum (Natural History), 1941.) 1*s*. 6*d*.*

CALKINS, GARY N., and SUMMERS, FRANCIS M., Edited by. Protozoa in Biological Research. Med. 8vo. Pp. xli +1148. (New York : Columbia University Press ; London : Oxford University Press, 1941.) 66*s*. 6*d*. net.*

CHAPMAN, D. H. The Seasons and the Woodman : a Book for Children. Cr. 4to. Pp. viii +80. (Cambridge : At the University Press, 1941.) 6*s*. net.

DARLING, F. FRASER. The Seasons and the Fisherman: a Book for Children. Cr. 4to. Pp. x +70. (Cambridge: At the University Press, 1941.) 6*s*. net.

DISCOVERY REPORTS. Issued by the Discovery Committee, Colonial Office, London, on behalf of the Government of the Dependencies of the Falkland Islands. Roy. 4to. Vol. 21. The Echiuridae, Sipunculidae and Priapulidae collected by the Ships of the Discovery Committee during the years 1926–1937. By A. C. Stephen. Pp. 235–260 +plates 7–8. (Cambridge: At the University Press, 1941.) 4*s*. 6*d*. net.

DOBZHANSKY, THEODOSIUS. Genetics and the Origin of Species. Second edition, revised. Med. 8vo. Pp. xviii +446. (New York: Columbia University Press; London: Oxford University Press, 1941.) 28*s*. net.*

GUILLIERMOND, ALEXANDRE. The Cytoplasm of the Plant Cell. Authorised translation from the unpublished French manuscript by Lenette Rogers Atkinson. (A New Series of Plant Science Books, Vol. 6.) Sup. Roy. 8vo. Pp. x +247. (Waltham, Mass.: Chronica Botanica Co.; London: William Dawson and Sons, Ltd., 1941.) 4.75 dollars.*

HOLLAND, JAMES, and JAMES, RICHARD. A Book of Insects. (Puffin Picture Books, No. 5.) Oblong Gl. Mountain Wanderings in Wildest Wales. Demy 8vo. Pp. 124. (London: Chapman and Hall, Ltd., 1941.) 18*s*. net.

JEFFERIES, RICHARD. The Nature Diaries and Note-Books of Richard Jefferies, with an Essay "A Tangle of Autumn", now printed for the first time. Edited with an Introduction and Notes by Samuel J. Looker. Demy 8vo. Pp. 82. (Billericay: The Grey Walls Press, 1941.) 8*s*. 6*d*. net.*

RIVERS-MOORE, MARION. Flowers of the Field and Hedgerow and their Garden Cousins. (Puffin Picture Books, No. 6.) Oblong Gl. 4to. Pp. 32. (Harmondsworth and New York: Penguin Books (Allen Lane), Ltd., 1941.) 6*d*.*

ROMANY OF THE B.B.C. The 'Out with Romany' Calendar, 1942. With Photographs by Eric J. Hosking and A. R. Thompson. Cr. 4to. Pp. 32. (Bickley: University of London Press, Ltd., 1941.) 2*s*. 9*d*. net.*

RUCH, THEODORE C. Bibliographia primatologica: a Classified Bibliography of Primates other than Man. Part 1: Anatomy, Embryology and Quantitative Morphology; Physiology, Pharmacology and Psychobiology; Primate Phylogeny and Miscellanea. (Historical Library, Yale Medical Library, Publication No. 4.) Imp. 8vo. Pp. xxvii +241. (Springfield, Ill., and Baltimore, Md.: Charles C. Thomas; London: Baillière, Tindall and Cox, 1941.) 8.50 dollars.*

SEWELL, LT.-COL. R. B. S., Edited by. The Fauna of British India: including Ceylon and Burma. (Published under the patronage of the Secretary of State for India.) Mammalia, Vol. 2: Carnivora (continued from Vol. 1), Suborders Æluroidea (part) and Arctoidea. By R. I. Pocock. Med. 8vo. Pp. xii +504 +12 plates. (London: Taylor and Francis, Ltd., 1941.) 35*s*.*

Agriculture: Horticulture: Forestry

DILLER, ROBERT. Farm Ownership, Tenancy and Land Use in a Nebraska Community. 8vo. Pp. viii +192. (Chicago: University of Chicago Press; London: Cambridge University Press, 1941.) 12*s*. net.

GOSHORN, GLADYS M. Do you Know your Garden? Demy 8vo. Pp. 322. (London: Oxford University Press, 1941.) 14*s*. net.

GUNSTON, J. To Be a Farmer. Cr. 8vo. Pp. 174. (London: Methuen and Co., Ltd., 1941.) 7*s*. 6*d*. net.

MIDDLETON, C. H. Your Garden in Wartime. Cr. 8vo. Pp. 200. (London: George Allen and Unwin, Ltd., 1941.) 5*s*. net.

MILSUM, J. N., and GRIST, D. H. Vegetable Gardening in Malaya. (Malayan Planting Manual, No. 3.) Demy 8vo. Pp. xviii +215 +52 plates. (Kuala Lumpur: Department of Agriculture, 1941.) 2 dollars.*

PIRONE, P. P. Maintenance of Shade and Ornamental Trees. Roy. 8vo. Pp. xvii +422. (New York and London: Oxford University Press, 1941.) 25*s*. 6*d*. net.*

RUSSELL, SIR E. JOHN. English Farming. (Britain in Pictures Series.) Cr. 4to. Pp. 48. (London and Glasgow: Wm. Collins, Sons and Co., Ltd., 1941.) 3*s*. 6*d*. net.

SMITH, FREDERICK D., and WILCOX, BARBARA. Back to the Country: How to make a Living on the Land. Cr. 8vo. Pp. x +222. (London: Adam and Charles Black, Ltd., 1941.) 6*s*. net.

Anatomy: Physiology

GROLLMAN, ARTHUR. Essentials of Endocrinology. Med. 8vo. Pp. xvi +480. (Philadelphia, London and Montreal: J. B. Lippincott Company, 1941.) 36*s*.*

LEVINE, MILTON I., and SELIGMANN, JEAN H. The Wonder of Life: How we are Born and How we Grow Up. Cr. 8vo. Pp. 116. (London: George Routledge and Sons, Ltd., 1941.) 4*s*. net.

LIEBER, ERIC E. What to Eat and Why. Demy 8vo. Pp. xvi +126. (London: Staples Books, Ltd., 1941.) 6*s*. net.*

NICHOLAS, S. D. Aids to Biochemistry. Third edition. Fcap. 8vo. Pp. 248. (London: Baillière, Tindall and Cox, 1941.) 5*s*. net.

PAVLOV, IVAN PETROVITCH. Lectures on Conditioned Reflexes. Vol. 2: Conditioned Reflexes and Psychiatry. Translated and edited by W. Horsley Gantt. Roy. 8vo. Pp. 199 +7 plates. (London: Lawrence and Wishart, Ltd., 1941.) 8*s*. 6*d*. net.*.

SCHARLIEB, MARY. Change of Life: its Difficulties and Dangers. Revised edition. Fcap. 8vo. Pp. 96. (London: Faber and Faber, Ltd., 1941.) 3*s*. net.

SHERMAN, HENRY C., and LANFORD, CAROLINE SHERMAN. Essentials of Nutrition. Demy 8vo. Pp. x +418. (New York: The Macmillan Company, 1941.) 15*s*. net.*

ULLMANN, EGON V. Diet in Sinus Infection and Colds. Second edition. Cr. 8vo. Pp. xi +185. (New York: The Macmillan Company, 1941.) 8*s*. 6*d*. net.

Anthropology: Archæology

ESTABROOKS, G. H. Man: the Mechanical Misfit. Ex. Cr. 8vo. Pp. xi +251. (New York: The Macmillan Company, 1941.) 10*s*. 6*d*. net.*

GESELL, ARNOLD. Wolf Child and Human Child: the Life History of Kamala, the Wolf Girl. Based on the Diary Account of a Child who was reared by a Wolf and who then lived for Nine Years in the Orphanage of Midnapore in the Province of Bengal. Cr. 8vo. Pp. xv +95 +8 plates. (London: Methuen and Co., Ltd., 1941.) 6*s*. net.*

HAWLEY, FLORENCE. Tree-Ring Analysis and Dating in the Mississippi Drainage. (Publications in Anthropology, Occasional Papers No. 2.) Roy. 8vo. Pp. xii +110 +8 plates. (Chicago: University of Chicago Press; London: Cambridge University Press, 1941.) 9*s*. net.

HOLE, CHRISTINA. English Custom and Usage. Demy 8vo. Pp. viii +152 +91 plates. (London: B. T. Batsford, Ltd., 1941.) 10*s*. 6*d*. net.*

VALE, EDMUND. Ancient England: a Review of Monuments and Remains in Public Care and Ownership. Demy 8vo. Pp. viii +152 +121 plates. (London: B. T. Batsford, Ltd., 1941.) 10*s*. 6*d*. net.*

Philosophy: Psychology

FAITHFULL, THEODORE. Letters to Margaret: a Simple Introduction to Psychology. Cr. 8vo. Pp. 160. (London: George Allen and Unwin, Ltd., 1941.) 5*s*. net.*

GILSON, ETIENNE. God and Philosophy. (Powell Lectures on Philosophy at Indiana University, Fifth Series.) Ex. Cr. 8vo. Pp. xviii +147. (New Haven, Conn.: Yale University Press; London: Oxford University Press, 1941.) 12*s*. net.*

LEAHY, M. P. The Mind in Disease: Some Conditions Cured by Suggestion. Cheap edition. Cr. 8vo. Pp. 170. (London: William Heinemann, Ltd., 1941.) 3*s*. 6*d*. net.

PONSONBY, LORD. Do We Want Life After Death? (The Thinker's Forum, No. 12.) Cr. 8vo. Pp. 48. (London: Watts and Co., Ltd., 1941.) 6*d*. net.*

CAMBRIDGE pH INSTRUMENTS

INDICATING

RECORDING

CONTROLLING
AND
ALARM

PORTABLE
AND
BENCH PATTERNS

THE FULL RANGE of Cambridge Instruments for the measurement of pH in all branches of research and industry, is fully described in our

NEW PUBLICATION 108—N

This book also contains valuable notes on the principles of pH measurement and its applications in many varied industries, together with a useful bibliography.

MAY WE SEND YOU A COPY ?

THERE ARE NOW
OVER 2000
CAMBRIDGE pH OUTFITS
IN REGULAR USE

CAMBRIDGE INSTRUMENT CO LTD

WORKS: LONDON & CAMBRIDGE — *Head Office & Showrooms* — 13 GROSVENOR PLACE LONDON. S.W. 1.

PRINTED IN GREAT BRITAIN BY FISHER, KNIGHT & CO., LTD., ST. ALBANS

E

TS

E

D

ACE
V. L